



## ADAMTS9 peptide (DAG-P0111)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Antigen Description</b> | This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. Members of the ADAMTS family have been implicated in the cleavage of proteoglycans, the control of organ shape during development, and the inhibition of angiogenesis. This gene is localized to chromosome 3p14.3-p14.2, an area known to be lost in hereditary renal tumors. [provided by RefSeq, Jul 2008] |
| <b>Purity</b>              | > 95 % by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>        | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Format</b>              | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Buffer</b>              | Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Preservative</b>        | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>             | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

### GENE INFORMATION

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| <b>Gene Name</b> | <a href="#">ADAMTS9 ADAM metalloproteinase with thrombospondin type 1 motif. 9 [ Homo sapiens (human) ]</a> |
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| <b>Official Symbol</b>     | ADAMTS9                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>            | ADAMTS9; ADAM metalloproteinase with thrombospondin type 1 motif, 9; A disintegrin and metalloproteinase with thrombospondin motifs 9; ADAM-TS9; ADAMTS-9; ADAM-TS 9; a disintegrin-like and metalloprotease (repolysin type) with thrombospondin type 1 motif, 9;          |
| <b>Entrez Gene ID</b>      | <a href="#">56999</a>                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | <a href="#">NM_182920.1</a>                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>      | <a href="#">NP_891550.1</a>                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>          | Q9P2N4                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 3p14.1                                                                                                                                                                                                                                                                      |
| <b>Pathway</b>             | Degradation of the extracellular matrix, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem; |
| <b>Function</b>            | metalloendopeptidase activity; metalloproteinase activity; zinc ion binding;                                                                                                                                                                                                |