



## ADAM9 peptide (DAG-P0062)

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

### PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Antigen Description</b> | This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. The protein encoded by this gene interacts with SH3 domain-containing proteins, binds mitotic arrest deficient 2 beta protein, and is also involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor. Several alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jul 2010] |
| <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

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | <a href="#">ADAM9 ADAM metalloproteinase domain 9 [ Homo sapiens (human) ]</a> |
| <b>Official Symbol</b> | ADAM9  |

|                            |  |
|----------------------------|--|
| <b>Synonyms</b>            | ADAM9; ADAM metallopeptidase domain 9; MCMP; MDC9; CORD9; Mltng; disintegrin and metalloproteinase domain-containing protein 9; cone rod dystrophy 9; myeloma cell metalloproteinase; cellular disintegrin-related protein; ADAM metallopeptidase domain 9 (meltrin gamma); metalloprotease/disintegrin/cysteine-rich protein 9; |
| <b>Entrez Gene ID</b>      | <a href="#">8754</a>   |
| <b>mRNA Refseq</b>         | <a href="#">NM_003816.2</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_003807.1</a>  |
| <b>UniProt ID</b>          | Q13443   |
| <b>Chromosome Location</b> | 8p11.22  |
| <b>Pathway</b>             | Collagen degradation, organism-specific biosystem; Degradation of the extracellular matrix, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem;   |
| <b>Function</b>            | SH3 domain binding; SH3 domain binding; collagen binding; integrin binding; integrin binding; integrin binding; laminin binding; metalloendopeptidase activity; metalloendopeptidase activity; metallopeptidase activity; protein binding; protein kinase C bin  |