



## ADAMTS2 peptide (DAG-P0135)

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 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. The enzyme encoded by this gene excises the N-propeptide of type I, type II and type V procollagens. Mutations in this gene cause Ehlers-Danlos syndrome type VIIC, a recessively inherited connective-tissue disorder. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010]
<b>Specificity</b>	Expressed at high level in skin, bone, tendon and aorta and at low levels in thymus and brain.
<b>Purity</b>	> 95 % by SDS-PAGE.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA, WB
<b>Sequence Similarities</b>	Contains 1 disintegrin domain.Contains 1 peptidase M12B domain.Contains 1 PLAC domain.Contains 4 TSP type-1 domains.
<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

Gene Name	<a href="#">ADAMTS2 ADAM metallopeptidase with thrombospondin type 1 motif, 2 [ Homo sapiens (human) ]</a>
Official Symbol	ADAMTS2
Synonyms	ADAMTS2; ADAM metallopeptidase with thrombospondin type 1 motif, 2; NPI; PNPI; PCINP; PCPNI; PCI-NP; PC I-NP; ADAM-TS2; ADAMTS-2; ADAMTS-3; A disintegrin and metalloproteinase with thrombospondin motifs 2; procollagen I N-proteinase; procollagen N-endopeptidase; procollagen I/II amino propeptide-processing enzyme; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 2;
Entrez Gene ID	<a href="#">9509</a>
mRNA Refseq	<a href="#">NM_014244.4</a>
Protein Refseq	<a href="#">NP_055059.2</a>
UniProt ID	O95450
Chromosome Location	5qter
Pathway	Collagen biosynthesis and modifying enzymes, organism-specific biosystem; Collagen formation, organism-specific biosystem; Extracellular matrix organization, organism-specific biosystem;
Function	metalloendopeptidase activity; metallopeptidase activity; zinc ion binding;