

Recombinant Human ADAMTS2 Protein, GST-tagged

Cat. No. ADAMTS2-304H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAMTS2 partial ORF (NP_055059, 1112 a.a. - 1210 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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 encoded preproprotein is proteolytically processed to generate the mature procollagen N-proteinase. This proteinase excises the N-propeptide of the fibrillar procollagens types I-III and type V. Mutations in this gene cause Ehlers-Danlos syndrome type VIIC, a recessively inherited connective-tissue disorder. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]
Molecular Mass	36.63 kDa
AA Sequence	KHNDIDVFMPTLPVPTVAMEVRPSPSTPLEVPLNASSTNATEDHPETNAVDEPYKIH GLEDEVQPPNLIPRRPSPYEKTRNQRIQELIDEMRKKEMLGK
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ADAMTS2 ADAM metalloproteinase with thrombospondin type 1 motif, 2 [Homo sapiens]
Official Symbol	ADAMTS2
Synonyms	ADAMTS2; ADAM metalloproteinase with thrombospondin type 1 motif, 2; a disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 2; A disintegrin and metalloproteinase with thrombospondin motifs 2; ADAM TS2; ADAMTS 3; hPCPNI; NPI; PCINP; procollagen I N proteinase; procollagen N endopeptidase; procollagen I N-proteinase; procollagen N-endopeptidase; procollagen I/II amino propeptide-processing enzyme; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 2; PNPI; PCPNI; PCI-NP; PC I-NP; ADAM-TS2; ADAMTS-2; ADAMTS-3; DKFZp686F12218;
Gene ID	9509
mRNA Refseq	NM_014244
Protein Refseq	NP_055059

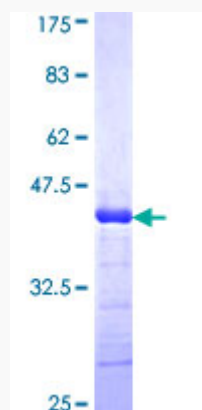
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MIM 604539

UniProt ID O95450



12.5% SDS-PAGE Stained with Coomassie Blue.

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