

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	<p>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]</p>
Molecular Mass	36.63 kDa
AA Sequence	KHNDIDVFMPTLPVPTVAMEVRPSPSTPLEVPLNASSTNATEDHPETNAVDEPYKIH GLEDEVQPPNLIPIRRPSPYEKTRNQRIQELIDEMRKKEMLGK
Applications	Enzyme-linked Immunoabsorbent Assay

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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

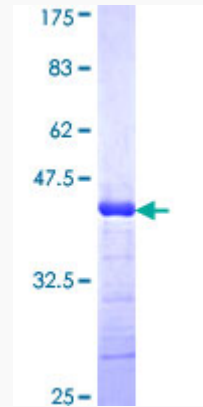
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MIM 604539

UniProt ID O95450



12.5% SDS-PAGE Stained with Coomassie Blue.

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