

Recombinant Human ADAMTS5 Protein, GST-tagged

Cat. No. ADAMTS5-307H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAMTS5 partial ORF (NP_008969.1, 832 a.a. - 930 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 enzyme. This enzyme contains two C-terminal TS motifs and functions as an aggrecanase that cleaves aggrecan, a major proteoglycan of cartilage, and may mediate cartilage destruction in osteoarthritis. [provided by RefSeq, Feb 2016]
Molecular Mass	36.63 kDa
AA Sequence	VQILATDPTKPLDVRYSFVPPKKSTPKVNSVTSHGSNKVGSHTSQPQWVTGPWLAC SRTCDTGWHTRTVQCQDGNRKLAGCPLSQRPSAFKQCLLKCC
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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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	ADAMTS5 ADAM metalloproteinase with thrombospondin type 1 motif, 5 [Homo sapiens]
Official Symbol	ADAMTS5
Synonyms	ADAMTS5; ADAM metalloproteinase with thrombospondin type 1 motif, 5; a disintegrin like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase 2); A disintegrin and metalloproteinase with thrombospondin motifs 5; ADAMTS11; ADMP 2; aggrecanase 2; aggrecanase-2; a disintegrin and metalloproteinase with thrombospondin motifs 11; a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 5 (aggrecanase-2); ADMP-2; ADAM-TS5; ADAMTS-5; ADAM-TS 5; ADAMTS-11; ADAM-TS 11;
Gene ID	11096
mRNA Refseq	NM_007038
Protein Refseq	NP_008969
MIM	605007

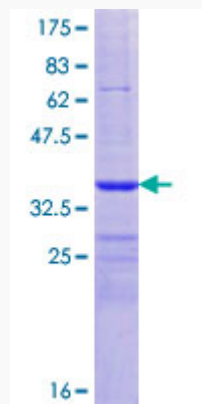
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UniProt ID

Q9UNA0



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