Active Recombinant Human ADAMTS5 Protein, His-tagged

Cat. No. ADAMTS5-306H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAMTS5 amino acids 625-930 deleted recombinant protein with His tag expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	625-930 a.a.
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]
Form	Liquid
Bio-activity	>= 5 mU/mg
Molecular Mass	40.8 kDa

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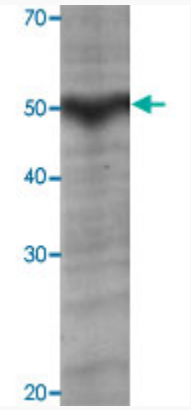
Purity	>= 50% by SDS-PAGE
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Concentration	0.1 mg/mL
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, 5 mM CaCl2, pH 7.5 (50 mM imidazol, 0.05% Brij-35 detergent)

GENE INFORMATION

Gene Name	ADAMTS5 ADAM metallopeptidase with thrombospondin type 1 motif, 5 [Homo sapiens]
Official Symbol	ADAMTS5
Synonyms	ADAMTS5; ADAM metallopeptidase with thrombospondin type 1 motif, 5; a disintegrin like and metalloprotease (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 metalloprotease (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

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Protein Refseq	NP_008969
MIM	605007
UniProt ID	Q9UNA0



15% SDS-PAGE Stained with Coomassie Blue

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