

Product datasheet for TP762212

ADAMTS5 (NM_007038) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human ADAM metallopeptidase with thrombospondin type 1 motif, 5 (ADAMTS5), His346-Pro622, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(His346-Pro622) of ADAMTS5
Tag:	N-His
Predicted MW:	30.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_008969
Locus ID:	11096
UniProt ID:	Q9UNAO
RefSeq Size:	9663
Cytogenetics:	21q21.3
RefSeq ORF:	2790
Synonyms:	ADAM-TS 5; ADAM-TS5; ADAM-TS 11; ADAMTS-5; ADAMTS-11; ADAMTS11; ADMP-2



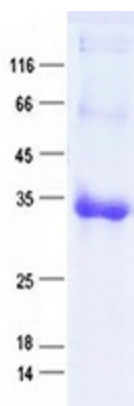
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Summary:

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]

Protein Families:

Druggable Genome, Protease, Secreted Protein

Product images:

Purified recombinant protein ADAMTS5 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.