

Recombinant Mouse Adamts13 Protein, Myc/DDK-tagged

Cat. No. Adamts13-1528M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 13 (Adamts13), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of "a disintegrin and metalloproteinase with thrombospondin motifs" (ADAMTS) family of multi-domain matrix-associated metalloendopeptidases that have diverse roles in tissue morphogenesis and pathophysiological remodeling, in inflammation and in vascular biology. In certain mouse strains (C57BL/6, for example) an intracisternal A-type particle (IAP) retrotransposon sequence is located in the intron 23 that causes an alternate splicing event resulting in a shorter transcript variants encoding shorter isoforms. The encoded preproprotein undergoes proteolytic processing to generate an active enzyme that cleaves von Willebrand factor (VWF) in circulating blood.
Molecular Mass	155.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Adamts13 a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 13 [Mus musculus (house mouse)]
Official Symbol	Adamts13
Synonyms	ADAMTS13; a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 13; A disintegrin and metalloproteinase with thrombospondin motifs 13; ADAM-TS13; ADAMTS-13; ADAM-TS 13; vWF-cleaving protease; ADAMTS13 isoform IAP-b; von Willebrand factor-cleaving protease; vWF-CP mRNA for von Willebrand factor-cleaving; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13; Gm710; vWF-CP
Gene ID	279028
mRNA Refseq	NM_001001322
Protein Refseq	NP_001001322
UniProt ID	Q769J6