

## Recombinant Mouse Adamts4 Protein, Myc/DDK-tagged

Cat. No. Adamts4-1530M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length a disintegrin-like and metalloproteinase (reprolysin type) with thrombospondin type 1 motif, 4 (Adamts4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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. The encoded preproprotein undergoes proteolytic processing to generate an active zinc-dependent aggrecanase enzyme that degrades cartilage.
<b>Molecular Mass</b>	91.7 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

<b>Gene Name</b>	Adamts4 a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4 [ Mus musculus (house mouse) ]
<b>Official Symbol</b>	Adamts4
<b>Synonyms</b>	ADAMTS4; a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4; A disintegrin and metalloproteinase with thrombospondin motifs 4; ADAMTS-4; ADAM-TS 4; aggrecanase-1; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 4; ADMP-1; ADAM-TS4; ADAMTS-2; mKIAA0688; 3830423K05
<b>Gene ID</b>	240913
<b>mRNA Refseq</b>	NM_172845
<b>Protein Refseq</b>	NP_766433
<b>UniProt ID</b>	Q8BNJ2

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