

Product datasheet for TP510929

Adamts4 (NM_172845) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse a disintegrin-like and metallopeptidase (reprolysin type) with thrombospondin type 1 motif, 4 (Adamts4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210929 representing NM_172845 Red=Cloning site Green=Tags(s) MSQMGLHPRRGLTGHWLRRFQPCLPLHTVQWRLLLLLAFLLSLAWPASPLPREEEIVFPEKLNQSSILPG SGVPARLLYRLPAFGEMLLLELEQDPGVQVEGLTVQYLGQAPEMLGGAEPGYLTGTINGDPESVASLHW DGGALLGLVQYRGAELHLQPLEGGALNSAGGPGAHILRRKSPASSQGPMCTVKAPSGSPSPISRRTKRFA SLSRFVETLVADDKMAAFHGTGLKRYLLTVMAAAAKAFKHPSIRNPVNLVVTRLVILGSGQEGPQVGP AAQTLRSFCTWQRGLNTPNDSDPDHFDTAILFTRQDLGCVSTCDTLGMADVGTVCDPARSCAIVEDDGLQ SAFTAAHELGHVFNMLHDNSKPCTNLNGQGGSSRHVMAPVMAHVDPEEPWSPCSARFITDFLDNGYGHCL LDKPEAPLHLPATFPKGKDYDADRQCQLTFGPDSSHCPQLPPPCAALWCSGHLNGHAMCQTKHSPWADGTP CGSSQACMGGRLHVDQLKDFNVPQAGGWGPWGPWGDCSRTC GGGVQFSSRDCTRVPVPRNGGKYCEGRRT RFRSCNTENCPHGSALTFREEQCAAYNHRTDLFKSFPMPDWVPRYTGAVPRDQCKLTCQARALGYYV EPRVADGTPCSPDTSSVCVQGRCIHAGCDRIIGSKKKFDKCMVCGGDGSRCSKQSGSFKKFRYGYSDVVT IPAGATHILVRQQGGGSLKSIYLALKLSDGSYALNGEYTLMPSPTDVWLPGAVSLRYSGATAASETLSGH GPLAQPLTLQVLVAGNPQNARLRYSEFFVPRPVPSTPRPPPQDWLQRRAEILKILRKPWAGRK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	91.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C after receiving vials.
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:	<u>NP_766433</u>
Locus ID:	240913
UniProt ID:	<u>Q8BNJ2</u>
RefSeq Size:	3673
Cytogenetics:	1 79.28 cM
RefSeq ORF:	2499
Synonyms:	ADAM-; ADAM-TS4; ADAMTS-2; ADMP-1
Summary:	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. [provided by RefSeq, Jul 2016]