

Recombinant Human ADAMTS8 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADAMTS8-1511H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADAMTS8 MS Standard C13 and N15-labeled recombinant protein (NP_008968) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 disrupts angiogenesis in vivo. A number of disorders have been mapped in the vicinity of this gene, most notably lung neoplasms. Reduced expression of this gene has been observed in multiple human cancers and this gene has been proposed as a potential tumor suppressor.
Molecular Mass	96.3 kDa
AA Sequence	MLPAPAAPRWPPLLLLLLLLPLARGAPARPAAGGQASELVVPTRLPGSAGELALHLS AFGKGFVLRLAPDDSFLAPDFKIERLGGSGRATGGERGLRGCFMSGTVNGEPESLA

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AVSLCRGLSGSFLLDGEEFTIQPQGAGGSLAQPHRLQRWGPAGARPLPRGPEWEV
 ETGEGQRQERGDHQEDSEEEESQEEEAEGASEPPPLGATSRTKRFVSEARFVETL
 LVADASMAAFYGADLQNHILTLMSVAARIYKHPSIKNSINLMVVKVLIVEDEKKGPEV
 SDNGGLTLRNFNCNWQRRFNQPSDRHPEHYDTAILLTRQNFCGQEGLCDTLGVADIG
 TICDPNKSCSVIEDEGLQAAHTLAHELGHVLSMPHDDSKPCTRLFGPMGKHHVMAP
 L FVHLNQTLPWSPCSAMYLTELLDGGHGDCLLDAPAAALPLPTGLPGRMALYQLDQ
 QCRQIFGPDFRHCPNTSAQDVCAQLWCHTDGAEPLCHTKNGSLPWADGTGPGPG
 HLCSEGSCLPEEEVERPKPVVDGGWAPWGPWGECSRTC GGGVQFSHRECKDPE
 PQNGGRYCLGRRAKYQSCHEECPPDGKSFREQQCEKYNAYNYTMDGNLLQWV
 PKYAGVSPRDRCKLFCRARGRSEFKVFEAKVIDGTLCGPETLAICVRGQCVKAGCD
 HVVDSPRKLDKCGVC GKGNSCRKVSGSLTPTNYGYNDIVTIPAGATNIDVKQRSH
 PGVQNDGNYLALKTADGQYLLNGNLAIASIEQDILVKGTILKYSGSIATLERLQSFRL
 PEPLTVQLLTPGEVFPPKVKYTFFVPNDVDFSMQSSKERATTNIIQPLLHAQWVLG
 DWSECSSTCGAGWQRRTVECRDPSGQASATCNKALKPEDAKPCESQLCPLTRTR
 PLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ADAMTS8 ADAM metalloproteinase with thrombospondin type 1 motif 8 [Homo

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	sapiens (human)]
Official Symbol	ADAMTS8
Synonyms	ADAMTS8; ADAM metalloproteinase with thrombospondin type 1 motif, 8; a disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8; A disintegrin and metalloproteinase with thrombospondin motifs 8; ADAM TS8; FLJ41712; METH2; METH-2; METH-8; ADAMTS-8; ADAM-TS 8; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 8; ADAM-TS8;
Gene ID	11095
mRNA Refseq	NM_007037
Protein Refseq	NP_008968
MIM	605175
UniProt ID	Q9UP79
SDS-PAGE	