

Recombinant Full Length Human ADAMTS8 Protein, C-Flag-tagged

Cat. No. ADAMTS8-605HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ADAMTS8 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	96.3 kDa
AA Sequence	MLPAPAAPRWPPLLLLLLLLLPLARGAPARPAAGGQASELVVPTRLPGSAGELALHLS

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AFGKGFVLR LAPD DSFLAPDFKIERLGGSGRATGGERGLRGCF FSGTVNGEPESLA
 AVSLCRGLSGSFLLDGEEFTIQ PQGAG GSLAQPHRLQRWG PAGARPLPRGPEWE
 VETGEGQRQERGDHQEDSEEEESQEEEAEGASEPPPPLGATSRT KRFVSEARFVET
 LLVADASMAAFYGADLQNHILTLMSVAARIYKHPSIKNSINLMVVKVLIVEDEKKGPE
 VSDNGGLTLRNFCNWQRRFNQPSDRHPEHYDTAILLTRQNFCGQEGLCDTLGVADI
 GTICDPNKSCSVIE DEGLQAAHTLAHELGHVLSMPHDDSKPCTRLFGPMGKHHVM
 APLFVHLNQTLPWSPCSAMYLTELLDGGH GDCLLDAPAAALPLPTGLPGRMALYQL
 DQQCRQIFGPDFRHCNPNTSAQDVCAQLWCHTDGAEPLCHTKNG SLPWADGTPCG
 PGHLCSEGSCLPEEEEVERPKPVVDGGWAPWGPWGEC SRTC GGGVQFSHRECKD
 PEPQNG GRYCLGRRAKYQSCHTEECPPDGKSFREQQCEKYNAYNYTDM DGNLLQ
 WVPKYAGVSPDRCKLFCRARG RSEFKVFEAKVIDGTLCGPETLAICVRGQCVKAG
 CDHVVDSPRKLDKCGVCGGKGNSCRKVSGSLTPTNY GYNDIVTIPAGATNIDVKQR
 SHPGVQNDGNYLALKTADGQYLLNGNLAISAEQDILVKGTILKYSGSIA TLERLQSF
 RPLPEPLTVQLLTVPGEVFPPKVKYTFFVPNDVDFSMQSSKERATTNIIQPLLHAQW
 VLGDW
 SECSSTCGAGWQRRTVECRDPSGQASATCNKALKPEDAKPCESQLCPLTRTRPLE
 QKLISEEDLAANDILDYKDDDDKV

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.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families	Druggable Genome, Protease, Secreted Protein
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Full Length	Full L.
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GENE INFORMATION

Gene Name	ADAMTS8 ADAM metallopeptidase with thrombospondin type 1 motif 8 [Homo sapiens (human)]
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Official Symbol	ADAMTS8
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Synonyms	METH2; ADAM-TS8
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Gene ID	11095
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mRNA Refseq	NM_007037.6
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Protein Refseq	NP_008968.4
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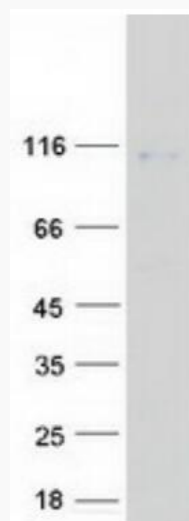
MIM	605175
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UniProt ID	Q9UP79
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Coomassie blue staining of purified ADAMTS8 protein.

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