

Recombinant Full Length Human ADAM15 Protein, GST-tagged

Cat. No. ADAM15-863HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAM15 full-length ORF (NP_997074.1, 1 a.a. - 772 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	772 amino acids
Description	The protein encoded by this gene is a member of the ADAM (a disintegrin and metalloproteinase) protein family. ADAM family members are type I transmembrane glycoproteins known to be involved in cell adhesion and proteolytic ectodomain processing of cytokines and adhesion molecules. This protein contains multiple functional domains including a zinc-binding metalloprotease domain, a disintegrin-like domain, as well as a EGF-like domain. Through its disintegrin-like domain, this protein specifically interacts with the integrin beta chain, beta 3. It also interacts with Src family protein-tyrosine kinases in a phosphorylation-dependent manner, suggesting that this protein may function in cell-cell adhesion as well as in cellular signaling. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]
Molecular Mass	110.1 kDa
AA Sequence	MRLALLWALG LLGAGSPLPS WPLPNIGGTE EQQAASEKAP REPLEPQVLQ

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DDLPISLKKV LQTSLEPLR IKLELDGDSH ILELLQNREL VPGRPTLVWY
 QPDGTRVVSE GHTLENCYQ GRVGRYAGSW VSICTCSGLR GLVLTPEPERS
 YTLQGGPGDL QGPPIISRIQ DLHLPGHTCA LSWRESVHTQ KPPEHPLGQR
 HIRRRRDVVT ETKTVELVIV ADHSEAQKYR DFQHLLNRTL EVALLDITFF
 RPLNVRVALV GLEAWTQRDL VEISPNPAVT LENFLHWRRRA HLLPRLPHDS
 AQLVTGTSFS GPTVGMAIQN SICSPDFSGG VNMDHSTSIL GVASSIAHEL
 GHSLGLDHDH PGNSCPCPGP APAKTCIMEA STDFLPGLNF SNCSRRALEK
 ALLDGMGSCS FERLPSLPPM AAFCGNMFVE PGEQCDGFL DDCVDPCCDS
 LTCQLRPGAQ CASDGPCCQN CQLRPSGWQC RPTRGDCDLP EFCPGDSSQC
 PPDVSLGDGE PCAGGQAVCM HGRCASYAQQ CQSLWGPQAQ PAAPLCLQTA
 NTRGNAFGSC GRNPSGSYVS CTPRDAICGQ LQCQTGRTQP LLGSIRDLLW
 ETIDVNGTEL NCSWVHLDLG SDVAQPLLTL PGTACGPGLV CIDHRCQRVD
 LLGAQECRSK CHGHGVCDN RHCYCEEGWA PPDCTTQLKA TSSLTTGLLL
 SLLVLLVLM LGASYWYRAR LHQRLCQLKG PTCQYSLRGQ PSPHPQGSCH
 LPTPRAGHR VTCPAQGLES RP

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

ADAM15 ADAM metalloproteinase domain 15 [Homo sapiens]

Official Symbol

ADAM15

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Synonyms	ADAM15; ADAM metallopeptidase domain 15; a disintegrin and metalloproteinase domain 15 (metargidin); disintegrin and metalloproteinase domain-containing protein 15; MDC15; metargidin; MDC-15; ADAM 15; metalloprotease RGD disintegrin protein; metalloproteinase-like, disintegrin-like, and cysteine-rich protein 15
Gene ID	8751
mRNA Refseq	NM_003815
Protein Refseq	NP_003806
MIM	605548
UniProt ID	Q13444

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