

Recombinant Human ADAM12 Protein, GST-tagged

Cat. No. ADAM12-274H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADAM12 full-length ORF (AAH60804.1, 1 a.a. - 737 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of a family of proteins that are structurally related to snake venom disintegrins and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Expression of this gene has been used as a maternal serum marker for pre-natal development. Alternative splicing results in multiple transcript variants encoding different isoforms. Shorter isoforms are secreted, while longer isoforms are membrane-bound form. [provided by RefSeq, Jan 2014]
Molecular Mass	106.8 kDa
AA Sequence	MAARPLPVSPARALLLAGALLAPCEARGVSLWNQGRADEVVSASVRSGDLWIPV KSFDSKNHPEVLNIRLQRESKELIINLERNEGLIASSFTETHYLQDGTDVSLARNYTG HCYYHGHVRGYSDSAVSLSTCSGLRGLIVFENESYVLEPMKSATNRYKLFPKKLKS VRGSCGSHHNTPNLAAKNVFPPTSQTWARRHKRETLKATKYVELVIVADNREFQRQ GKDLEKVKQRLIEIANHVDKFYRPLNIRIVLVGVEVWMDKCSVSQDPFTSLHEFLD WRKMKLLPRKSHDNAQLVSGVYFQGTIGMAPIMSMCTADQSGGIVMDHSDNPLG AAVTLAHELGHNFNMHDTLDRGCSCQMAVEKGGCIMNASTGYPFPMVFSSCSRK

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DLETSLEKGMGVCLFNLPEVRESFGGQKCGNRFVEEGEECDCEPEECMNRCN
 ATTCTLKPDVCAHGLCCEDCQLKPAGTACRDSSNSCDLPEFCTGASPHCPANVYL
 HDGHSCQDVGICYNGICQTHEQQCVTLWGPGAKPAPGICFERVNSAGDPYGNC
 GKVSKSSFAKCEMRDAKCGKIQCGGASRPVIGTNAVSIETNIPLQQGGRILCRGTH
 VYLGDDMPDPGLVLGATKCADGKICLNRCQNISVFGVHECAMQCHGRGVCNNRK
 NCHCEAHWAPPFCDFGFGGSTDSGPIRQAGKEARQEAAESNRERGGQEPVGS
 QEHASTASLTLI

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

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

[ADAM12 ADAM metallopeptidase domain 12 \[Homo sapiens \]](#)

Official Symbol

[ADAM12](#)

Synonyms

ADAM12; ADAM metallopeptidase domain 12; a disintegrin and metalloproteinase domain 12 (meltrin alpha); disintegrin and metalloproteinase domain-containing protein 12; MCMPMltna; meltrin alpha; MLTN; meltrin-alpha; MCMP; MLTNA;

Gene ID

[8038](#)

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mRNA Refseq	NM_003474
Protein Refseq	NP_003465
MIM	602714
UniProt ID	O43184

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