

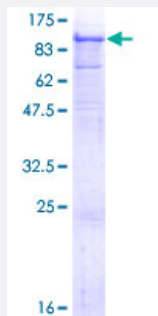
Full-Length

ADAM12 (Human) Recombinant Protein (P01)

Catalog # H00008038-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ADAM12 full-length ORF (AAH60804.1, 1 a.a. - 737 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAARPLPVSPARALLLAGALLAPCEARGVSLWNQGRADEVVVSASVRSGDLWIPVKSFD SKN
HPEVLNIRLQRESKELIINLERNEGLIASSFTETHYLQDGTDSLARNYTGHCYYHGHVRGYSDSAV
SLSTCSGLRGLVIFENESYVLEPMKSATNRYKLFPAKKLKSVRGSCGSHHNTPLAAKNVFPPPS
QTWARRHKRETLKATKYVELVIVADNREFQRQGDLEKVKQRLIEIANHVDKFYRPLNIRIVLVGVE
VWNDMDKCSVSQDPFTSLHEFLDWRKMKLLPRKSHDNAQLVSGVYFQGTIGMAPIMSMCTAD
QSGGVMDSNPLGAAVTLAHELGHNFNMHDTLDRGCSCQMAVEKGCCIMNASTGYFPFPMV
FSSCSRKDLETSLEKGMGVCLFNLPEVRESFGGQKCGNRFVEEGEECDCEPEECMNRCCNA
TTCTLKPDCAVCAHGLCCEDCQLKPAGTACRDSSNSCDLPEFCTGASPHCPANVYLHDGHSCQD
VDGYCYNGICQTHEQQCVTLWGPAGKAPAGICFERVNSAGDPYGNCGKVS KSSFAKCEMRDAK
CGKIQCGGASRPVIGTNAVSIETNIPLQQGGRILCRGTHVYLGGDMPDPGLVLAGTKCADGKICL
NRQCQNISVFGVHECAMQCHGRGVCNNRKNCHCEAHWAPPFCDFGFGGSTDSGPIRQAGKE
ARQEAAESNRERGGQEPVGSQEHASTASLTI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

106.8

Interspecies Antigen Sequence

Mouse (84)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ADAM12

Entrez GeneID	8038
GeneBank Accession#	BC060804.1
Protein Accession#	AAH60804.1
Gene Name	ADAM12
Gene Alias	MCMP, MCMPMitna, MLTN, MLTNA
Gene Description	ADAM metallopeptidase domain 12
Omim ID	602714
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the ADAM (a disintegrin and metalloprotease) protein family. Members of this family are membrane-anchored proteins 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. This gene has two alternatively spliced transcripts: a shorter secreted form and a longer membrane-bound form. The shorter form is found to stimulate myogenesis. [provided by RefSeq]

Other Designations

OTTHUMP00000020727|OTTHUMP00000046766|a disintegrin and metalloproteinase domain 1
2 (meltrin alpha)|meltrin alpha

Disease

- [Alzheimer disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)
- [Overweight](#)
- [Tobacco Use Disorder](#)