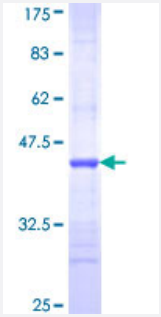
ADAM12 (Human) Recombinant Protein (Q01)

Catalog # H00008038-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ADAM12 partial ORF (NP_003465, 208 a.a. - 304 a.a.) recombinant protein with GST-tag a t N-terminal.
Sequence	ETLKATKYVELVIVADNREFQRQGKDLEKVKQRLIEIANHVDKFYRPLNIRIVLVGVEVWNDMDKCS VSQDPFTSLHEFLDWRKMKLLPRKSHDNAQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.41
Interspecies Antigen Sequence	Mouse (96)
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#	NM_003474
Protein Accession#	NP_003465
Gene Name	ADAM12
Gene Alias	MCMP, MCMPMltna, 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. M embers of this family are membrane-anchored proteins structurally related to snake venom disinte grins, and have been implicated in a variety of biological processes involving cell-cell and cell-mat rix 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