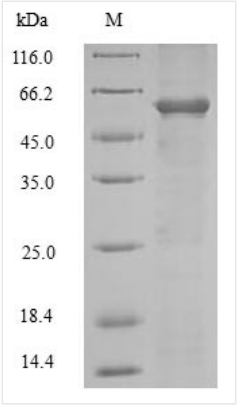
Disintegrin and Metalloproteinase Domain-Containing Protein 12 (ADAM12) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Disintegrin and metalloproteinase domain-containing protein 12 (Adam12), Recombinant Protein
Full Product Name	Recombinant Mouse Disintegrin and metalloproteinase domain-containing protein 12 (Adam12), partial
Product Gene Name	Adam12 recombinant protein
Product Synonym Gene Name	Adam12
Sequence	ETLKMTKYVE LVIVADNREF QRQGKDLEKV KQRLIEIANH VDKFYRPLNI RIVLVGVEVW NDIDKCSISQ DPFTSLHEFL DWRKIKLLPR KSHDNAQLIS GVYFQGTTIG MAPIMSMCTA EQSGGVVMDH SDSPLGAAVT LAHELGHNFG MNHDTLERGC SCRMAAEKGG CIMNPSTGFP FPMVFSSCSR KDLEASLEKG MGMCLFNLPE VKQAFGGRKC GNGYVEEGEE CDCGEPEECT NRCCNATTCT LKPDAVCAHG QCCEDCQLKP PGTACRGSSN SCDLPEFCTG TAPHCPANVY LHDGHPCQGV DGYCYNGICQ THEQQCVTLW GPGAKPAPGI CFERVNSAGD PYGNCGKDSK SAFAKCELRD AKCGKIQCQG GASRPVIGTN AVSIETNIPQ QEGGRILCRG THVYLGDDMP DPGLVLAGTK CAEGKICLNR RCQNISVFGV HKCAMQCHGR GVCNNRKNCH CEAHWAPPFC DKFGFGGSTD SGPIRQADNQ G
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	58.4 kDa
Sequence Positions	206-706aa; Partial
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q61824
Species	Mouse
Production Note	**Special Offer:** The Baculovirus host-expressed protein is manufactured from a stock plasmid containing the protein gene. Baculovirushost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The Baculovirus host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select Baculovirus host-expressed protein for the fastest delivery among all hosts. Please contact our **technical support team** **or email to** **support@mybiosource.com** for more details.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Adam12 recombinant protein	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.

Other Notes	Small volumes of Adam12 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Adam12 purchase	MBS1351735 is a recombinant protein targeting Adam12. Also known as Recombinant Mouse Disintegrin and metalloproteinase domain-containing protein 12 (Adam12), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-Page of Adam12 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Adam12. It may not necessarily be applicable to this product.

NCBI GI #	117606341
NCBI GeneID	11489
NCBI Accession #	NP_031426.2
UniProt Primary Accession #	Q61824
UniProt Secondary Accession #	F8VQN4
UniProt Related Accession #	Q61824
GenBank Nucleotide #	NM_007400.2
NCBI Official Full Name	disintegrin and metalloproteinase domain-containing protein 12 preproprotein
NCBI Official Synonym Full Names	a disintegrin and metallopeptidase domain 12 (meltrin alpha)
NCBI Official Symbol	Adam12
NCBI Official Synonym Symbols	Mltna
UniProt Protein Name	Disintegrin and metalloproteinase domain-containing protein 12
UniProt Synonym Protein Names	Meltrin-alpha
Protein Family	Disintegrin and metalloproteinase domain-containing protein
UniProt Gene Name	Adam12
UniProt Synonym Gene Names	Mltna; ADAM 12
NCBI Protein Information	disintegrin and metalloproteinase domain-containing protein 12

NCBI Summary for Adam12	This gene encodes a member of a disintegrin and metalloprotease (ADAM) family of endoproteases that play important roles in various biological processes including cell signaling, adhesion and migration. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein that localizes to the cell surface. About a third of the mice lacking the encoded protein die before weaning. Overexpression of the encoded protein in a mouse model of Duchenne muscular dystrophy alleviates the muscle pathology by preventing cell necrosis and inflammation. [provided by RefSeq, May 2016]
UniProt Comments for Adam12	Involved in skeletal muscle regeneration, specifically at the onset of cell fusion. Also involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors.
Research Articles on Adam12	**1.** In conclusion, MiR29a regulates endothelial cell ADAM12 upregulation in ischemia and this is impaired in hyperglycemia.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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