

Recombinant Mouse ADAM12 Protein (206-706 aa), His-Myc-tagged

Cat. No. ADAM12-2799M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ADAM12 Protein (206-706 aa) is produced by Baculovirus expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Mouse
Source	Insect Cells
ProteinLength	206-706 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	58.4 kDa
AA Sequence	ETLKMTKYVELVIVADNREFQRQGDLEKVKQRLIEIANHVDKFYRPLNIRIVLVGVEV WNDIDKCSISQDPFTSLHEFLDWRKIKLLPRKSHDNAQLISGVYFQGTIGMAPIMSM CTAEQSGGVVMDHSDSPLGAAVTLAHELGHNFNGMNHDTLARGCSCRMMAAEKGGCI MNPSTGFPPFPMVFSSCSRKDLEASLEKGMGMCLFNLPEVKQAFGGRKCGNGYVEE GEECDCGEPEECTNRCCNATTCTLKPDVCAHGGCCEDCQLKPPGTACRGSSNS

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CDLPEFCTGTAPHCPANVYLHDGHPCQGV DGYCYNGICQTHEQQCVTLWGPGAK
 PAPGICFERVNSAGDPYGNC GKDSKSAFAKCELRDAKCGKIQCQGGASRPVIGTNA
 VSIETNIPQQEGGRILCRGTHVYLGDDMPDPGLVLAGTKCAEGKICLNRRRCQNISVF
 GVHKCAMQCHGRGVCNNRKNCHCEAHWAPPFCDKFGFGGSTDSGPIRQADNQG

Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name	Adam12 a disintegrin and metallopeptidase domain 12 (meltrin alpha) [Mus musculus]
Official Symbol	ADAM12
Synonyms	ADAM12; ADAM 12; meltrin alpha; meltrin-alpha; Mltna; mKIAA4001;
Gene ID	11489
mRNA Refseq	NM_007400

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Protein Refseq	NP_031426
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UniProt ID	Q61824
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