

ADAM12 Protein, Mouse, Recombinant (His & Myc)

General Information

Synonyms:	Disintegrin and metalloproteinase domain-containing protein 12;Mltna;ADAM 12;Adam12; Meltrin-alpha
Protein Construction:	206-706 aa
Species:	Mouse
Expression Host:	Baculovirus Insect Cells
Accession:	Q61824
Molecular Weight:	58.4 kDa (predicted)
AA Sequence:	ETLKMTKYVELVIVADNREFQRQGDLEKVKQLIEIANHVDFYRPLNIRIVLVGVEVWNDIDKCSISQDPFTS LHEFLDWRKIKLLPRKSHDNAQLISGVYFQGTITIGMAPIMSMCTAEQSGGVMDHSDSPLGAAVTLAHELGH NFGMNHDTLARGCSCRMAAEKGGCIMPSTGFPFPMVFSSCSRKDLASLEKGMGMCLFNLPEVKQAFGGR KCGNGYVEEGEECDGPEEECTNRCCNATTCTLKPDAVCAHGQCCEDCQLKPPGTACRGSSNSCDLPEFCTG TAPHCPANVYLHDGHPCQGVGYCYNGICQTHEQQCVTLWGPAGKAPAGICFERVNSAGDPYGNCGKDSK SAFAKCELDAKCGKIQCQGGASRPVIGTNAVSIETNIPQQEGGRILCRGTHVYLGDDMPDPGLVLGATKCAE GKICLNRRQCNISVFGVHKCAMQCHGRGVCNNRKNCHCEAHWAPPFCDFGFGGSTDSGPIRQADNQG

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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