



Recombinant Mouse ADAM12 Protein Product Manual

1. Product Basic Information

Product No.: REP06044

Protein Name: Adam Metallopeptidase Domain 12 (ADAM12)

Aliases: MCMP; MLTN; CAR10; MLTNA; MCMPMltna; ADAM12-OT1; meltrin-alpha; ADAM metallopeptidase domain 12; metalloprotease-disintegrin 12 transmembrane

UniProt ID: O43184

UniProt Link: <https://www.uniprot.org/uniprotkb/O43184/entry>

Species Source: Mus musculus(Mouse)

Expression System: Baculovirus

Protein Length: Partial (206-706aa)

Molecular Weight: 58.4kDa

Protein Tag: N-terminal 10xHis-tagged and C-terminal Myc-tagged

2. Amino Acid Sequence (206-706aa)

ETLKMTKYVELVIVADNREFQRQGDLEKVKQRLIEIANHVDKFYRPLNIRIVLVGVE
VWNDIDKCSISQDPFTSLHEFLDWRKIKLLPRKSHDNAQLISGVYFQGTIGMAPIMS
MCTAEQSGGVMDHSDSPLGAAVTLAHELGHNFNFGMNHDTLGERGCSCRMMAAEKG
GCIMNPSTGFPPFPMVFSSCSRKDLEASLEKGMGMCLFNLPEVKQAFGGGRKCGNGY
VEEGEECDCEPEECTNRCCNATTCTLKPDCAHVGQCCEDCQLKPPGTACRGS
SNSCDLPEFCTGTAPHCPANVYLHDGHPCQGVGDGYCYNGICQTHEQQCVTLWGP
GAKPAPGICFERVNSAGDPYGNCGKDSKSAFAKCELRDAKCGKIQCCGGASRPVI
GTNAVSIETNIPQQEGGRILCRGTHVYLGDDMPDPGLVLAGTKCAEGKICLNRRQC
NISVFGVHKCAMQCHGRGVCNNRKNCHCEAHWAPPFCDFGFGGSTDGPIRQA
DNQG

3. Storage Buffer

Liquid Delivery Form: Tris-based buffer with 50% glycerol.

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse ADAM12 partial protein (206-706aa) expressed in Baculovirus. The protein is dual-tagged with 10xHis tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. ADAM12, also known as MCMP or MLTN or CAR10, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.