

Human CellExp ADAM12, human recombinant protein
ADAM12, MCMP, MLTN, MLTNA, MCMPMItna, Meltrin Alpha
Catalog # PBV10869r**Specification**

Human CellExp ADAM12, human recombinant protein - Product infoPrimary Accession
Calculated MW[O43184](#)

The protein is fused with 6×His tag at the C-terminus, has a calculated MW of 55.2 kDa (Pro) and 34 kDa (Mature). The predicted N-terminus is Arg 29. DTT-reduced Protein migrates as 23 kDa, 46 kDa and 65 kDa due to glycosylation, corresponding to the propeptide, the mature form and the pro form respectively. KDa

Human CellExp ADAM12, human recombinant protein - Additional InfoGene ID **8038**
Gene Symbol **ADAM12**
Other Names
ADAM12, MCMP, MLTN, MLTNA, MCMPMItna, Meltrin AlphaGene Source **Human**
Source **HEK 293 cells**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **HPLC;**
Recombinant **Yes**
Target/Specificity
ADAM12**Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format

Lyophilized powder

Storage

-20°C; Lyophilized from 0.22 µm filtered solution in PBS. Generally 5-8% Mannitol or trehalose is added as a protectant before lyophilization.

Human CellExp ADAM12, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human CellExp ADAM12, human recombinant protein - Images

Human CellExp ADAM12, human recombinant protein - Background

A Disintegrin And Metalloprotease 12 (ADAM12) is also known as Meltrin-alpha and MCMP, is a member of the ADAM and MDC (Metalloprotease, Disintegrin, Cysteine-rich) 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 in diverse processes such as asthma, development, angiogenesis and cancer through their activities in cell adhesion/fusion, membrane protein shedding, and signal transduction. Over 30 members have been identified and about half of them are active metalloproteases such as ADAM8, 9, 10, 12 and 17/TACE. ADAM12 has four Isoform, Isoform 1 is expressed in placenta and skeletal, cardiac, and smooth muscle. Isoform 2 seems to be expressed only in placenta or in embryo and fetus. Both forms were expressed in some tumor cells lines. ADAM12 Involved in skeletal muscle regeneration, specifically at the onset of cell fusion and also involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors.

Human CellExp ADAM12, human recombinant protein - References

Gilpin B.J.,et al.J. Biol. Chem. 273:157-166(1998).
Gilpin B.J.,et al.Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Deloukas P.,et al.Nature 429:375-381(2004).
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