



Recombinant Human ALCAM Protein Product Manual

1. Product Basic Information

Product No.: REP06104

Protein Name: Activated Leukocyte Cell Adhesion Molecule (ALCAM)

Aliases: MEMD; CD166; activated leukocyte cell adhesion molecule

UniProt ID: Q13740

UniProt Link: <https://www.uniprot.org/uniprotkb/Q13740/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (28-516aa)

Molecular Weight: 70.8kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (28-516aa)

WYTVNSAYGDTIIIPCRLDVPQNLMFQKWKYEKPDGSPVFIAFRSSTKKSQYDDVP
EYKDRLNLSNYTLNISNARISDEKRFVCMVLTEDNVFEAPTIVKVFQPSKPEIVSK
ALFLETEQLKKLGDCISEDSPDGNITWYRNGKVLHPLEGAVVIFKKEMDPVTQLYT
MTSTLEYKTTKADIQMPFTCSVTYYGPSGQKTIHSEQAVFDIYYPTQVTIQVLPPKN
AIKEGDNITLKCGLNGNPPPEEFLFYLPQGPEGIRSSNTYTLTDVRRNATGDYKCSLI
DKKSMAIASTAITVHYLDLSLNPSGEVTRQIGDALPVSCTISASRNATVWWMKDNIRLR
SSPSFSSLHYQDAGNYVCETALQEVEGLKKRESLTLIVEGKPKQIKMTKKTDPSGLSK
TIICHVEGFPKPAIQWTITGSGSVINQTEESPYINGRYYSKIIISPEENVTLTCTAENQL
ERTVNSLNVSAISIPEDHDEADEISD

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

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 Human ALCAM partial protein (28-516aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. ALCAM, also known as MEMD or CD166 or activated leukocyte cell adhesion molecule, 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.