



Recombinant Human MCAM Protein Product Manual

1. Product Basic Information

Product No.: REP07424

Protein Name: Melanoma Adhesion Molecule (MCAM)

Aliases: CD146; MUC18; HEMCAM; METCAM; MelCAM; Gicerin; melanoma adhesion molecule; cell surface glycoprotein MUC18; cell surface glycoprotein P1H12; melanoma cell adhesion molecule; melanoma-associated antige...

UniProt ID: P43121

UniProt Link: <https://www.uniprot.org/uniprotkb/P43121/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (50-646aa)

Molecular Weight: 70.7kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (50-646aa)

LSQSQGNLSHVDWFSVHKEKRTLIFRVRQGQGQSEPGEYEQRLSLQDRGATLALT
QVTPQDERIFLCQGKRPRSQEYRIQLRVYKAPEEPNIQVNPLGIPVNSKEPEEVATC
VGRNGYPIQVIWYKNGRPLKEEKNRVHIQSSQTVESGLYTLQSILKAQLVKEDKD
AQFYCELNYRLPSGNHMKESREVTVPVFYPTTEKVVLEVEPVGMLKEGDRVEIRCL
ADGNPPPHFSISKQNPSTREAEETNDNGVLVLEPARKEHSGRYECQGLDLDTMI
SLLSEPQELLVNYVSDVRVSPAAPERQEGSSLTLTCEAESSQDLEFQWLREETGQV
LERGPVLQLHDLKREAGGGYRCVASVPSIPGLNRTQLVNVAIFGPPWMAFKERKV
WVKENMVLNLSCEASGHPRPTISWNVNGTASEQDQDPQRVLSTLNVLVTPELLET
GVECTASNDLGKNTSILFLELVNLTTLTPDSNTTGLSTSTASPHTRANSTSTERKLP
EPESRGVVIVAVIVCILVLAVLGAVLYFLYKKGKLPARRSGKQEITLPPSRKSELVVEV
KSDKLPEEMGLLQGSSGDKRAPGDQGEKYIDLRH

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)

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 MCAM partial protein (50-646aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. MCAM, also known as CD146 or MUC18 or HEMCAM, 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.