

Recombinant Human ALCAM protein, T7/His-tagged

Cat. No. ALCAM-112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD166 extracellular domain cDNA (28 - 527 aa, Isoform 1) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	28-527 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGGQMGRGHHHHHGNLYFQGGEFWYTVNSAYGDTIIIPCRLDVPQNLMF GKWKEYKPDGSPVFIAFRSS TKKSVQYDDVPEYKDRLNLSENYTLSISNARISDEKR FVCMLVTEDNVFEAPTIVKVKQPSKPEIVSKALFLET EQLKKLGDCISEDSPDGNI TWYRNGKVLHPLEGAVVIIFKKEMDPVTQLYTMTSTLEYKTTKADIQMPFTCSVT YY GPSGQKTIHSEQAVFDIYYPTQVTIQVLPPKNAIKEGDNITLCLGNGNPPPEEFLFY LPGQPEGIRSSNTY TLTDVRRNATGDYKCSLIDKKSMIASTAITVHYLDLSLNPSGEV TRQIGDALPVSCTISASRNATVWWMKDNIRL RSSPSFSSLHYQDAGNYVCETALQE VEGLKKRESLTLIVEGKPQIKMTKKTDPGSLSKTIICHVEGFPPKPAIQWT ITGSGSVIN QTEESPYINGRYYSKIIISPEENVTLTCTAENQLERTVNSLNVSAISIPEHDEADEISDE NREKVN DQAK
Purity	>90% by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications 1. Protein can be used as coating matrix protein for human T or B cell functions and differentiation regulation study in vitro. P2. As potential biomarker protein for cardiovascular diseases and tumor diagnostic development. 3. As antigen for specific antibody production.

Storage Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name [ALCAM activated leukocyte cell adhesion molecule \[Homo sapiens \]](#)

Official Symbol [ALCAM](#)

Synonyms ALCAM; activated leukocyte cell adhesion molecule; activated leucocyte cell adhesion molecule; CD166 antigen; CD166; MEMD; FLJ38514; MGC71733;

Gene ID [214](#)

mRNA Refseq [NM_001243280](#)

Protein Refseq [NP_001230209](#)

MIM [601662](#)

UniProt ID [Q13740](#)

Chromosome Location 3q13.1

Pathway Axon guidance, organism-specific biosystem; Cell adhesion molecules (CAMs),

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organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Developmental Biology, organism-specific biosystem; L1CAM interactions, organism-specific biosystem;

Function

receptor binding;

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