Recombinant human IGSF4A/CADM1 protein

Catalog Number: ATGP2840

PRODUCT INFORMATION

Expression system
E.coli

Domain
45-374aa

UniProt No.
Q9BY67

NCBI Accession No.
NP_055148

Alternative Names
Cell adhesion molecule 1, Immunoglobulin superfamily member 4, IgSF4, Nectin-like protein 2, NECL-2, Spermatogenic immunoglobulin superfamily, SgIgSF, Synaptic cell adhesion molecule, SynCAM, Tumor suppressor in lung cancer 1, TSLC-1, ST17, BL2, IGSF4A, SYNCAM1, RA175

PRODUCT SPECIFICATION

Molecular Weight
39.4 kDa (353aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
CADM1 mediates homophilic cell-cell adhesion in a Ca2+-independent manner and also mediates heterophilic cell-cell adhesion with CADM3 and PVRL3 in a Ca2+-independent manner. This protein acts as a tumor suppressor in non-small-cell lung cancer (NSCLC) cells. Interaction with CRTAM promotes natural killer (NK) cell cytotoxicity and interferon-gamma (IFN-gamma) secretion by CD8+ cells in vitro as well as NK cell-mediated

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rejection of tumors expressing CADM3 in vivo. Recombinant human CADM1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

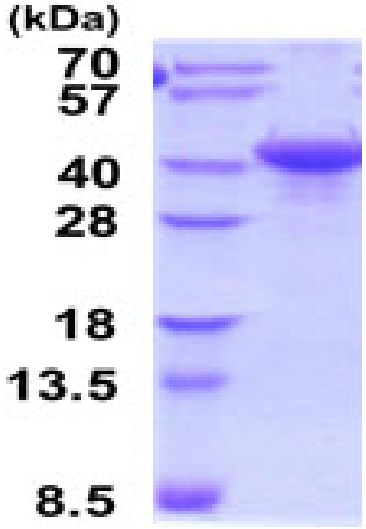
MGSSHHHHHH SSGLVPRGSH MGSQNLFTKD VTVIEGEVAT ISCQVNKSDD SVIQLLNPNR QTIYFRDFRP LKDSRFQLLN FSSSELKVSL TNVSISDEGR YFCQLYTDPP QESYTTITVL VPPRNLMIDI QKDTAVEGEE IEVNCTAMAS KPATTIRWFK GNTELKGKSE VEEWSDMYTV TSQLMLKVHK EDDGVPVICQ VEHPAVTGNL QTQRYLEVQY KPQVHIQMTY PLQGLTREGD ALELTCEAIG KPQPVMVTWV RVDDEMPQHA VLSGPNLFIN NLNKTDNGTY RCEASNIVGK AHSDYMLYVY DPPTTIPPPT TTTTTTTTTT TTILTIITDS RAGEEGSIRA VDH

General References

Barton C.H., et al. (1988) Development 104:165-173.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.