

CADM1 recombinant protein

CADM1, 45-374aa, Human, His tag, E Coli

CATALOG # AAA48903	HOST E Coli	APPLICATIONS SDS-Page
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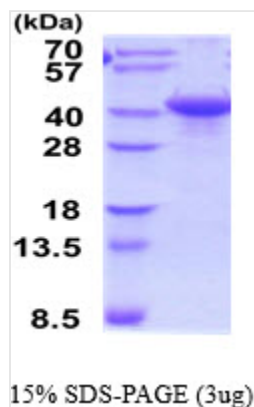
PRODUCT SYNONYMS

CADM1; 45-374aa; Human; His tag; E Coli; Cell adhesion molecule 1; BL2; IGSF4; IGSF4A; Necl-2; NECL2; RA175; sgIGSF; ST17; sTSLC-1; SYNCAM; synCAM1; TSLC1; CADM1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 85% by SDS-PAGE
Form/Format	Liquid. In phosphate buffered saline (pH 7.4) containing 10% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	45-374aa
Sequence	MGSSHHHHHH SSGLVPRGSH MGSQNLFTKD VTVIEGEVAT ISCQVNKSDD SVIQLLNPNR QTIYFRDFRP LKDSRFQLLN FSSSELKVSL TNVSISDEGR YFCQLYTDPP QESYTTITVL VPPRNLMIDI QKDTAVEGEE IEVNCTAMAS KPATTIRWFK GNTLKGKSE VEEWSDMYTV TSQMLMLVKH EDDGVPVICQ VEHPAVTGNL QTQRYLEVQY KPQVHIQMTY PLQGLTREGD ALELTCEAIG KPQPVMVTWV RVDDEMPQHA VLSGPNLFIN NLNKTDNGTY RCEASNIVGK AHS DYMLYVY DPPTTIPPT TTTTTTTTTT TTILTIIDS RAGEEGSIRA VDH
Sequence Length	442
Applicable Applications for CADM1 recombinant protein	SDS-PAGE
Tag	His-tag
Preparation and Storage	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.

IMAGES



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for CADM1 recombinant protein	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 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.
Product Categories/Family for CADM1 recombinant protein	Neuroscience
References	Barton C.H., et al. (1988) Development 104:165-173.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148664190
NCBI GeneID	23705
NCBI Accession #	NP_055148
NCBI GenBank Nucleotide #	NM_014333.3
UniProt Accession #	Q9BY67; Q86WB8; Q8N2F4; A4FVB5; F5H0J4; H0YGA7; H1ZZV9; H1ZZW1; H1ZZW2; X5D2C8
Molecular Weight	39.4 kDa (353aa) confirmed by MALDI-TOF
NCBI Official Full Name	cell adhesion molecule 1 isoform D
NCBI Official Synonym Full Names	cell adhesion molecule 1
NCBI Official Symbol	CADM1
NCBI Official Synonym Symbols	BL2; ST17; IGSF4; NECL2; RA175; TSLC1; IGSF4A; Necl-2; SYNCAM; sIgSF; sTSLC-1; synCAM1
NCBI Protein Information	cell adhesion molecule 1
UniProt Protein Name	Cell adhesion molecule 1
UniProt Gene Name	CADM1
UniProt Synonym Gene Names	IgSF4; NECL-2; SgIgSF; SynCAM; TSLC-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.