

Datasheet for ABIN6388182
CD247 Protein (AA 52-164) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	CD247
Protein Characteristics:	AA 52-164
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD247 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: ADPVTLSPKD CQVFRSDHGS SISCQPPAEI PGYLPADTVH LAVEFFNLTH LPANLLQGAS
KLQELHLSSN GLESLSPEFL RPVPQLRVLD LTRNALTGLP PGLFQASATL DTLVLKENQL
EVLEVSWLHG LKALGHLDLS GNRLRKLPPG LLANFTLLRT LDLGENQLET LPPDLLRGPL
QLERLHLEGN KLQVLGKDLL LPQPDLRYLF LNGNKLARVA AGAFQGLRQL DMLDLSNNSL
ASVPEGLWAS LGQPNWDMRD GFDISGNPWI CDQNLSDLYR WLQAQKDKMF SQNDTRCAGP
EAVKGQTLA VAKSQHHHHH H

Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

Target:	CD247
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Target Details

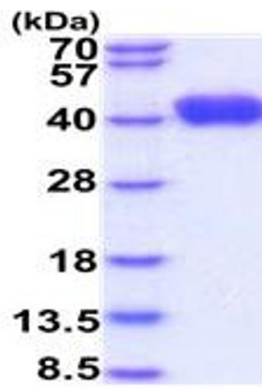
Alternative Name:	CD247 (CD247 Products)
Background:	LRG1, also known as leucine-rich alpha-2-glycoprotein, is a member of leucine-rich repeat (LRR) family. It is neutrophilic expressed during granulocyte differentiation. It has been shown to be involved in protein-protein interaction, signal transduction, and cell adhesion and development. It binds directly to the TGF-beta accessory receptor endoglin, which, in the presence of TGF-beta1, results in promotion of the pro-angiogenic Smad1/5/8 signaling pathway. It promotes proliferation and inhibits apoptosis in colorectal cancer cells via RUNX1 activation. It is a key physiological regulator of dendrite complexity of hippocampal pyramidal neurons. It physically interacts with TrkB and attenuates BDNF signaling. Recombinant human LRG1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	35.4kDa (321aa) 40-57kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_443204
UniProt:	P02750
Pathways:	TCR Signaling , CXCR4-mediated Signaling Events , Ubiquitin Proteasome Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.