Datasheet for ABIN7281286

KLRK1 Protein (AA 73-216) (hIgG-His-tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	KLRK1
Protein Characteristics:	AA 73-216
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KLRK1 protein is labelled with hIgG-His-tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	ADPIWSAVFL NSLFNQEVQI PLTESYCGPC PKNWICYKNN CYQFFDESKN WYESQASCMS QNASLLKVYS KEDQDLLKLV KSYHWMGLVH IPTNGSWQWE DGSILSPNLL TIIEMQKGDC ALYASSFKGY IENCSTPNTY ICMQRTVVEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1ug of protein (determined by LAL method)

Target Details

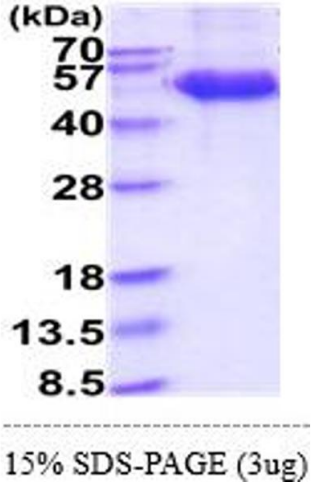
Target:	KLRK1
Alternative Name:	KLRK1 (KLRK1 Products)
Background:	KLRK1, also known as NKG2D ligand 4 isoform 1, is a type II transmembrane glycoprotein having an extracellular lectin-like domain. This domain lacks the recognizable calcium-binding sites found in true C-type lectins and binds protein rather than carbohydrate ligands. It can send co-stimulatory signals to activate CD8 T cells. Also, it plays an important role in viral control. Cellular stress can induce ligands for KLRK1 which results in the cell susceptible to NK cell-mediated lysis. Recombinant human KLRK1, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	43.9kDa (386aa) 40-57kDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	NP_031386
UniProt:	P26718
Pathways:	Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

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.