

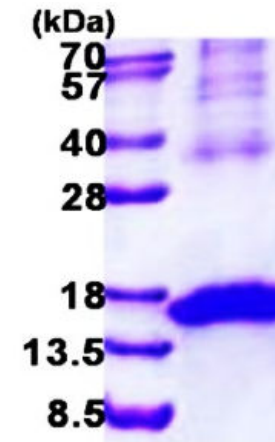
KLRK1, human recombinant

CATALOG #:	7356-100	100 µg
ALTERNATE NAMES:	NKG2-D type II integral membrane protein, CD314, D12S2489E, KLR, NKG2-D, NKG2D	
SOURCE:	E. coli	
PURITY:	> 90% by SDS-PAGE	
MOL. WEIGHT:	19.2 kDa (168 aa, 73-216 aa + His Tag), confirmed by MALDI-TOF.	
FORM:	Liquid	
FORMULATION:	0.5 mg/ml in 20 mM Tris-HCl buffer (pH 8.0) containing 0.4 M Urea and 10% glycerol.	

STORAGE CONDITIONS: Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION: KLRK1 is an activating receptor that has recently generated considerable interest. The most intriguing of these are a pair of closely related proteins called MICA and MICB. These are cell-surface molecules distantly related to MHC class I proteins, and the genes possess elements of heat shock promoters. MICA and MICB, therefore, are expressed during cell stress and are up-regulated in tumor cells and during viral infections. This receptor-ligand combination may play a critical role in the immune response to a variety of pathologies. Recombinant human KLRK1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

AMINO ACID SEQUENCE: MGSSHHHHHH SGLVPRGSH MGSMIWSAVF
LNSLFNQEVQ IPLTESYCGP CPKNWICYKN NCYQFFDESK NWYESQASCM
SQNASLLKVY SKEDQDLLKL VKSYHWMGLV HIPTNGSWQW EDGSILSPNL
LTIEMQKGD CALYASSFKG YIENCSTPNT YICMQRTV



15% SDS-PAGE (3µg)

KLRK1, human recombinant

RELATED PRODUCTS:

- KLRB1, Human Recombinant (Cat # 7352-100)
- KLRC2, Human Recombinant (Cat # 7353-50)
- KLRC3, Human Recombinant (Cat # 7354-100)
- KLRG1, Human Recombinant (Cat # 7355-50)

FOR RESEARCH USE ONLY! Not to be used in humans.