

## Active Recombinant Human KLRK1 protein, mFc-tagged

Cat. No. KLRK1-0583H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KLRK1 protein(Ile73-Val216), fused with mFc tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	73-216 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
<b>Bio-activity</b>	Immobilized Human MICA, His Tag at 1 µg/mL (100 µL/well) can bind Human NKG2D, Mouse IgG2a Fc Tag with a linear range of 0.02-0.313 µg/mL.
<b>Molecular Mass</b>	This protein carries a mouse IgG2a Fc tag at the N-terminusThe protein has a calculated MW of 43.5 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Ile73-Val216
<b>Endotoxin</b>	Less than 0.1 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	KLRK1 killer cell lectin-like receptor subfamily K, member 1 [ Homo sapiens ]
<b>Official Symbol</b>	KLRK1
<b>Synonyms</b>	KLRK1; killer cell lectin-like receptor subfamily K, member 1; D12S2489E, DNA segment on chromosome 12 (unique) 2489 expressed sequence; NKG2-D type II integral membrane protein; CD314; KLR; NKG2 D; NKG2D; NK cell receptor D; NKG2-D-activating NK receptor; NKG2-D; D12S2489E; FLJ17759; FLJ75772;
<b>Gene ID</b>	22914
<b>mRNA Refseq</b>	NM_007360
<b>Protein Refseq</b>	NP_031386
<b>MIM</b>	611817
<b>UniProt ID</b>	P26718

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