

## Active Recombinant Human KLRK1 protein, IFc-tagged

Cat. No. KLRK1-0580H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human KLRK1 protein(Ile73-Val216), fused with IFc 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 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	Immobilized Human MICA, His Tag at 5 µg/mL (100 µL/well) can bind Human NKG2D, Llama IgG2b Fc Tag with a linear range of 0.01-0.625 µg/mL. Please note that there may be a cross-reaction between anti-human IgG Fc antibodies and llama IgG Fc tag, also between anti-llama IgG Fc antibodies and human IgG Fc tag.
<b>Molecular Mass</b>	This protein carries a llama IgG2b Fc tag at the N-terminus. The protein has a calculated MW of 44.5 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Ile73-Val216
<b>Endotoxin</b>	Less than 0.01 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<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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