Active Recombinant Human KLRK1 protein, lFc-tagged

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

SPECIFICATION

Product Overview	Recombinant Human KLRK1 protein(Ile73-Val216), fused with lFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	73-216 a.a.
Form	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.
Bio-activity	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.
Molecular Mass	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.
Proteinlength	Ile73-Val216
Endotoxin	Less than 0.01 EU per μg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	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

Gene Name	KLRK1 killer cell lectin-like receptor subfamily K, member 1 [Homo sapiens]
Official Symbol	KLRK1
Synonyms	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;
Gene ID	22914
mRNA Refseq	NM_007360
Protein Refseq	NP_031386
MIM	611817
UniProt ID	P26718

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