

Active Recombinant Human KLRK1 protein, Fc-tagged

Cat. No. KLRK1-0585H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLRK1 protein(Ile73-Val216), fused with Fc 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, 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 Protein, Fc Tag with a linear range of 4-63 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc tag at the N-terminus. The protein has a calculated MW of 43.1 kDa. The protein migrates as 50-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ile73-Val216
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.>90% as determined by SEC-HPLC.

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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