

# Recombinant Human killer cell lectin-like receptor subfamily K, member 1, His-tagged

**Cat. No.** KLRK1-379H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	KLRK1, 73-216 aa, Human, His tag, E.coli
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	73-216 a.a.
<b>Description</b>	<p>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.</p>
<b>Form</b>	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
<b>Molecular Mass</b>	19.2 kDa(168aa)
<b>AA Sequence</b>	<p>MGSSHHHHHH SSGLVPRGSH MGSMIWSAVF LNSLFNQEVQ IPLTESYCGP            CPKNWICYKN NCYQFFDESK NWYESQASCM SQNASLLKVY SKEDQDLLKL            VKSYHWMGLV HIPTNGSWQW EDGSILSPNL LTIEMQKGD CALYASSFKG</p>

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YIENCSTPNT YICMQRTV

**Purity** >90% by SDS - PAGE

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

**Concentration** 0.5 mg/ml (determined by Bradford assay)

## 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](#)

**Chromosome Location** 12p13.2-p12.3

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**Pathway**

Adaptive Immune System, organism-specific biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Malaria, organism-specific biosystem; Malaria, conserved biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;

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