

Recombinant Human KLRB1 protein, His & T7-tagged

Cat. No. KLRB1-5701H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLRB1 aa. (Lys73~Ser188 (Accession # Q12918)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys73~Ser188
Description	Natural killer (NK) cells are lymphocytes that mediate cytotoxicity and secrete cytokines after immune stimulation. Several genes of the C-type lectin superfamily, including the rodent NKRP1 family of glycoproteins, are expressed by NK cells and may be involved in the regulation of NK cell function. The KLRB1 protein contains an extracellular domain with several motifs characteristic of C-type lectins, a transmembrane domain, and a cytoplasmic domain. The KLRB1 protein is classified as a type II membrane protein because it has an external C terminus.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 17.3kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	KLRB1 killer cell lectin like receptor B1 [Homo sapiens (human)]
Official Symbol	KLRB1
Synonyms	KLRB1; killer cell lectin like receptor B1; NKR; CD161; CLEC5B; NKR-P1; NKRP1A; NKR-P1A; hNKR-P1A; killer cell lectin-like receptor subfamily B member 1; C-type lectin domain family 5 member B; killer cell lectin-like receptor subfamily B, member 1; natural killer cell surface protein P1A
Gene ID	3820
mRNA Refseq	NM_002258.2

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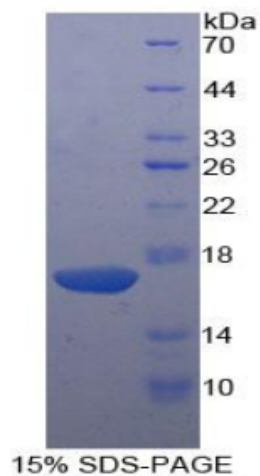
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Protein Refseq NP_002249.1

UniProt ID Q12918

SDS-PAGE



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