

Recombinant Human KLRC1 Protein, C-His-tagged

Cat. No. KLRC1-088H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLRC1 Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The activity of natural killer (NK) cells is regulated by members of multiple receptor families that recognize class I MHC molecules, such as the killer cell inhibitory receptor/leukocyte immunoglobulin-like receptor (KIR/LIR) family and the C-type lectin superfamily. The KIR/LIR family includes p91A (also designated pp130 or PIR-B, for paired immunoglobulin-like receptor-B) and p91B (also designated PIR-A). p91A acts as an inhibitory receptor through interactions with SHP-1, whereas p91B acts as an activating receptor. CD94, NKG2 and Ly-49 are members of the C-type lectin superfamily of type II membrane glycoproteins. CD94 forms heterodimers with NKG2 isoforms on the surface of NK cells, whereas Ly-49 isoforms form homodimers. NKG2-D, expressed on NK cells, gdT cells and CD8+$\alpha\beta$ T cells, is a receptor for the stress inducible protein MICA, an antigen frequently expressed in epithelial tumors.
Molecular Mass	~15 kDa
AA Sequence	PSTLIQRHNNSSLNTRTQKARHCGHCPEEWITYSNSCYIIGKERRTWEESLLACTSK NSSLLSIDNEEEMKFLSIISPSSWIGVFRNSSHHPWVTMNGLAFKHEIKDSDNAELNC AVLQVNRLKSAQCGSSIIYHCKHKL
Purity	Transferred into competent cells and the supernatant was purified by NI column

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affinity chromatography and the purity is > 85% (by SDS-PAGE).

Notes

For research use only, not for use in diagnostic procedure.

Storage

Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.

Concentration

≥0.5 mg/mL

Storage Buffer

PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name

KLRC1 killer cell lectin-like receptor subfamily C, member 1 [Homo sapiens (human)]

Official Symbol

KLRC1

Synonyms

KLRC1; killer cell lectin-like receptor subfamily C, member 1; NKG2; NKG2-A/NKG2-B type II integral membrane protein; CD159a; NKG2 1/B activating NK receptor; NKG2 A; NKG2 B; NK cell receptor A; C-lectin type II protein; natural killer cell lectin; natural killer group protein 2; NKG2-1/B activating NK receptor; NKG2-A/B-activating NK receptor; CD159 antigen-like family member A; NKG2-A/B type II integral membrane protein; NKG2A; CD159A; MGC13374; MGC59791;

Gene ID

3821

mRNA Refseq

NM_002259

Protein Refseq

NP_002250

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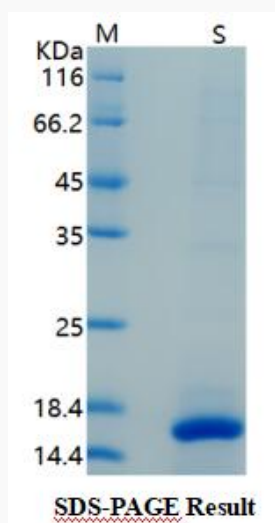
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MIM 161555

UniProt ID P26715

SDS-PAGE



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