

Recombinant Full Length Human KLRC1 Protein

Cat. No. KLRC1-5897HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KLRC1 full-length ORF (NP_002250.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	amino acids
Description	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells. The genes of NKG2 family members form a killer cell lectin-like receptor gene cluster on chromosome 12. Four alternatively spliced transcript variants encoding two distinct isoforms have been observed. [provided by RefSeq]
Form	Liquid
Molecular Mass	26.3 kDa
AA Sequence	MDNQGVYSDNLPPNPKRQQRKPKGNKSSILATEQEITYAELNLQKASQDFQGN

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KTYHCKDLPSAPEKLIVGILGIICLILMASVVTIVVIPSTLIQRHNNSSLNTRTQKARHCG
 HCPEEWITYSNSCYIIGKERRTWEESLLACTSKNSSLLSIDNEEEMKFLSIISPSSWIG
 VFRNSSHHPWVTMNGLAFAKHEIKDSDNAELNCAVLQVNRLKSAQCGSSIYHCKHKL

Applications

Antibody Production
 Functional Study
 Compound Screening

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION
Gene Name

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

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

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Protein Refseq	NP_002250
MIM	161555
UniProt ID	P26715

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