

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	<p>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]</p>
Form	Liquid
Molecular Mass	26.3 kDa
AA Sequence	MDNQGVIYSDLNLPNPKRQQRKPKGNKSSILATEQEITYAELNLQKASQDFQGND

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KTYHCKDLPSAPEKLIVGILGIICLILMASVVTIVVIPSTLIQRHNNSSLNTRTQKARHCG
 HCPEEWITYSNSCYIYGKERRTWEESLLACTSKNSSLLSIDNEEEMKFLSIISPSSWIG
 VFRNSSHHPWVTMNGLAFKHEIKDSDNAELNCAVLQVNRLKSAQCGSSIIYHCKHKL

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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