

Recombinant Full Length Human KLRC1 Protein, GST-tagged

Cat. No. KLRC1-5898HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human KLRC1 full-length ORF (NP_002250.1, 1 a.a. - 233 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	233 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]
Molecular Mass	52.7 kDa
AA Sequence	MDNQGVIIYSDLNLPPNPKRQQRKPKGNKSSILATEQEITYAELNLQKASQDFQGND KTYHCKDLPSAPEKLIVGILGIICLILMASVVTIVVIPSTLIQRHNNSSLNTRTQKARHCG

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HCPEEWITYSNSCYIIGKERRTWEESLLACTSKNSSLLSIDNEEEMKFLSIISPSSWIG
VFRNSSHHPWVTMNGLAFLKHEIKDSDNAELNCAVLQVNRLKSAQCGSSIIYHCKHKL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

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

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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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