

# Recombinant Full Length Human KLRC1 Protein, GST-tagged

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

## SPECIFICATION

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

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HCPEEWITYSNSCYIYGKERRTWEESLLACTSKNSSLLSIDNEEEMKFLSIISPSSWIG  
VFRNSSHHPWVTMNGLAFKHEIKDSDNAELNCAVLQVNRLKSAQCGSSIIYHCKHKL

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	KLRC1 killer cell lectin-like receptor subfamily C, member 1 [ Homo sapiens ]
<b>Official Symbol</b>	KLRC1
<b>Synonyms</b>	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;
<b>Gene ID</b>	3821
<b>mRNA Refseq</b>	NM_002259

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**Protein Refseq** [NP\\_002250](#)

**MIM** [161555](#)

**UniProt ID** [P26715](#)

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