

Recombinant Human KLRC3

Cat. No. KLRC3-29905TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human KLRC3 with a N terminal proprietary tag; Predicted MWt 37.62 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	109 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. NK cells preferentially express several calcium-dependent (C-type) lectins, which have been implicated in the regulation of NK cell function. KLRC3 is a member of the NKG2 group which are expressed primarily in natural killer (NK) cells and encodes a family of transmembrane proteins characterized by a type II membrane orientation (extracellular C terminus) and the presence of a C-type lectin domain. The NKG2 gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed on NK cells. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Weight	37.620kDa inclusive of tags
Tissue specificity	Natural killer cells.

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Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GKERRTWEESLQACASKNSSSLLSIDNEEEMKFLASILPS SWIGVFRNSSHHPWVTI NGLAFKHEIKDSDHAERNCAMLH VRGLISDQCGSSRIIRRGFIMLTRVLNS
Sequence Similarities	Contains 1 C-type lectin domain.

GENE INFORMATION

Gene Name	KLRC3 killer cell lectin-like receptor subfamily C, member 3 [Homo sapiens]
Official Symbol	KLRC3
Synonyms	KLRC3; killer cell lectin-like receptor subfamily C, member 3; NKG2-E type II integral membrane protein; NKG2 E;
Gene ID	3823
mRNA Refseq	NM_002261
Protein Refseq	NP_002252
MIM	602892

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Uniprot ID	Q07444
Chromosome Location	12p13
Pathway	Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem;
Function	binding; receptor activity; sugar binding; transmembrane signaling receptor activity;

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