

## Product datasheet for **AR50503PU-S**

### KLRC2 / CD159c (94-231, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	KLRC2 / CD159c (94-231, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMIPFLEQ NNFSPNTRTQ KARHCGHCPE EWITYSNSCY YIGKERRTWE ESSLACTSKN SLLSIDNEE EMKFLASILP SSWIGVFRNS SHHPWVTING LAFKHKIKDS DNAELNCAVL QVNRLKSAQC GSSMIYHCKH KL
Tag:	His-tag
Predicted MW:	18.4 kDa
Concentration:	lot specific
Purity:	>85% by SDS - PAGE
Buffer:	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human KLRC2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_002251</a>
Locus ID:	3822
UniProt ID:	<a href="#">P26717</a>
Cytogenetics:	12p13.2
Synonyms:	KLRC2, NKG2C, NKG2-C type II integral membrane protein, NKG2-C-activating NK receptor, NK cell receptor C, CD159 antigen-like family member C, CD159c



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**Summary:**

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. The group, designated KLRC (NKG2) 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 KLRC (NKG2) gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed on NK cells. KLRC2 alternative splice variants have been described but their full-length nature has not been determined. [provided by RefSeq, Jul 2008]

**Protein Families:**

Transmembrane

**Protein Pathways:**

Antigen processing and presentation, Natural killer cell mediated cytotoxicity

**Product images:**