

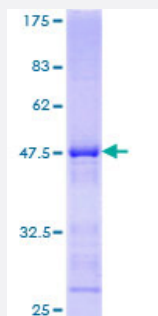
Full-Length

KLRC4 (Human) Recombinant Protein (P01)

Catalog # H00008302-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human KLRC4 full-length ORF (AAH17784, 1 a.a. - 158 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MNKQRGTYSEVSLAQDPKRQQRKLKGNKISISGTKQEIFQVELNLQNASSDHQGNDKTYHCKGLL PPPEKLTAEVLGICVLMATVLKTVLIPCIGVLEQNNFSLNRRMQKARHCGHCPEEWITYSNSCYI GKERRTWEERVVCWPVLRRTLICFL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.12
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — KLRC4

Entrez GeneID [8302](#)

GeneBank Accession# [BC017784](#)

Protein Accession# [AAH17784](#)

Gene Name KLRC4

Gene Alias FLJ17759, FLJ78582, NKG2-F, NKG2F

Gene Description killer cell lectin-like receptor subfamily C, member 4

Omim ID [602893](#)

Gene Ontology [Hyperlink](#)

Gene 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. KLRC4 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. The 3' end of the KLRC4 transcript includes the first non-coding exon found at the 5' end of the adjacent D12S2489E gene transcript. [provided by RefSeq]

Other Designations -

Pathway

- [Antigen processing and presentation](#)
- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Abortion](#)
- [Colitis](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Leukemia](#)
- [Neoplasms](#)