

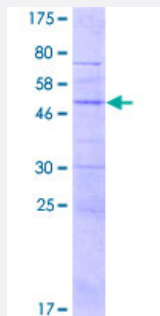
Full-Length

KLRK1 (Human) Recombinant Protein (P01)

Catalog # H00022914-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KLRK1 full-length ORF (NP_031386.1, 1 a.a. - 216 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGWIRGRRSRHSWEMSEFHNYNLDLKKSDFSTRWQKQRCPPVVKSKCRENASPFFFCFIAVAM
GIRFIIMVAWSAVFLNSLFNQEVQIPLTESYCGPCPNWICYKNNCYQFFDESKNWWYESQASCMS
QNASLLKVYSKEDQDLLKLVKSYHWMGLVHIPTNGSWQWEDGSILSPNLLTIEMQKGDCALYAS
SFKGYIENCSTPNTYICMQRTV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

51.7

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 — KLRK1

Entrez GeneID [22914](#)

GeneBank Accession# [NM_007360.1](#)

Protein Accession# [NP_031386.1](#)

Gene Name KLRK1

Gene Alias CD314, D12S2489E, FLJ17759, FLJ75772, KLR, NKG2-D, NKG2D

Gene Description killer cell lectin-like receptor subfamily K, member 1

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. This gene encodes a member of the NKG2 family, and the encoded transmembrane protein is 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 in NK cells. [provided by RefSeq]

Other Designations NK cell receptor D|NKG2-D type II integral membrane protein

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Abortion](#)
- [Arthritis](#)
- [Bile Duct Neoplasms](#)
- [Cholangiocarcinoma](#)
- [Cholangitis](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis B](#)
- [Lupus Erythematosus](#)
- [Lymphocytosis](#)
- [Lymphoproliferative Disorders](#)
- [Respiratory Tract Neoplasms](#)