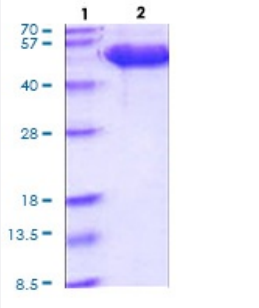
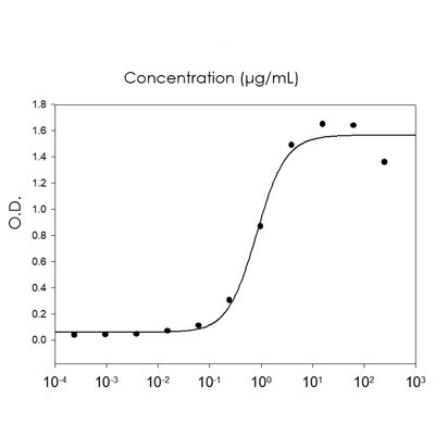
Bioactive

KLRK1 (Human) Recombinant Protein

Catalog # P8025 Size 100 ug

Applications





Result of bioactivity analysis

Result of bioactivity analysis

Specification

Product Description	Human KLRK1 (P26718, 73 a.a. - 216 a.a.) partial length recombinant protein with hIgG-His tag expr essed in Baculovirus expression system.
Sequence	IWSAVFLNSLFNQEVQIPLTESYCGPCPKNWICYKNNCYQFFDESKNWYESQASCMSQNASLLK VYSKEDQDLLKLVKSYHWMGLVHIPTNGSWQWEDGSILSPNLLTIIEMQKGDCALYASSFKGYIEN CSTPNTYICMQRTV
Host	Viruses
Theoretical MW (kDa)	43.9

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Form	Liquid
Preparation Method	Baculovirus expression system
Purity	> 95% by SDS-PAGE
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	ED_{50} is < 1.5 ug/mL, measured by the binding ability in a functional ELISA with Human ULBP-6/RAE T1L.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — KLRK1

Entrez GeneID	22914
Protein Accession#	P26718
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

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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

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