

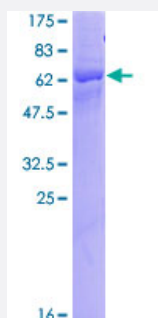
Full-Length

KIR2DL3 (Human) Recombinant Protein (P01)

Catalog # H00003804-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human KIR2DL3 full-length ORF (NP_056952.2, 1 a.a. - 341 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSLMVVSVMVCVGFFLLQGAWPHEGVHRKPSLLAHPGPLVKSEETVILQCWSDVRFQHFLHRE
GKFKDTLHLIGEHHHDGVSKANFSIGPMMQDLAGTYRCYGSVTHSPYQLSAPSDPLDVTGLYEKP
SLSAQPGPTVLAGESTLSCSSRSSYDMYHLSREGEAHERRFSAGPKVNGTFQADFPLGPATH
GGTYRCFGSFRDSPYEWSNSSDLLVSVTGNPSNSWSPTEPSSETGNPRHLHVLIGTSVVILFI
LLLFFLLHRWCCNKKNAVVMQEPAGNRTVNREDSDEQDPQEVTYAQLNHCVFTQRKITRPSQR
PKTPPTDIVYTELPNAEP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

64.3

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 — KIR2DL3

Entrez GeneID [3804](#)

GeneBank Accession# [NM_015868.2](#)

Protein Accession# [NP_056952.2](#)

Gene Name KIR2DL3

Gene Alias CD158B2, CD158b, GL183, KIR-023GB, KIR-K7b, KIR-K7c, KIRCL23, MGC129943, NKAT, NKAT2, NKAT2A, NKAT2B, p58

Gene Description killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3

Omim ID [604938](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC). The gene content of the KIR gene cluster varies among haplotypes, although several "framework" genes are found in all haplotypes (KIR3DL3, KIR3DP1, KIR3DL4, KIR3DL2). The KIR proteins are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. KIR proteins with the long cytoplasmic domain transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for several KIR proteins are subsets of HLA class I molecules; thus, KIR proteins are thought to play an important role in regulation of the immune response. [provided by RefSeq]

Other Designations

NK-receptor|killer cell immunoglobulin-like receptor 2DL3|natural killer associated transcript 2|natural killer cell inhibitory receptor KIR2DL3|p58 natural killer cell receptor|p58.2 MHC class-I specific NK receptor

Pathway

- [Antigen processing and presentation](#)
- [Graft-versus-host disease](#)
- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Abortion](#)
- [Acute Disease](#)
- [Angina Pectoris](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Cytomegalovirus Infections](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Familial Mediterranean fever](#)
- [Gastritis](#)

- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Hemorrhagic Fever](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Ischemic Attack](#)
- [Leprosy](#)
- [Leptospirosis](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphatic Diseases](#)
- [Lymphoma](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neuroblastoma](#)
- [Obesity](#)
- [Osteoarthritis](#)
- [Papilloma](#)
- [Papillomavirus Infections](#)

- [Paraparesis](#)
- [Peripheral Vascular Diseases](#)
- [Postoperative Complications](#)
- [Psoriasis](#)
- [Recurrence](#)
- [Skin Neoplasms](#)
- [Spondylarthropathies](#)
- [Spondylitis](#)
- [Stroke](#)
- [Substance Abuse](#)
- [Substance-Related Disorders](#)
- [Syndrome](#)
- [Tumor Virus Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Vasculitis](#)
- [Viremia](#)