

Active Recombinant Human KIR2DL3, Fc-tagged, Biotinylated

Cat. No. KIR2DL3-557H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human KIR2DL3-Fc fusion is expressed as a 449 amino acid protein consisting of His22 - Arg242 region of KIR2DL3 (UniProt accession #P43628) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	22-242 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free).
Bio-activity	Binds anti-KIR monoclonal antibodies, human IgG4, human IgG1 and rabbit IgG.
Molecular Mass	Calculated molecular mass 49.8 kDa; estimated by SDS-PAGE under reducing condition 60-65 kDa probably due to glycosylation.
Endotoxin	<0.1 eu per 1 µg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted

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protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name KIR2DL3 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3 [Homo sapiens]

Official Symbol KIR2DL3

Synonyms KIR2DL3; killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3; killer cell immunoglobulin-like receptor 2DL3; CD158B2; cl 6; nkat2; nkat2a; nkat2b; p58; NKAT-2; NK-receptor; p58 NK receptor CL-6; MHC class I NK cell receptor; killer inhibitory receptor cl 2-3; CD158 antigen-like family member B2; natural killer associated transcript 2; natural killer-associated transcript 2; p58.2 MHC class-I specific NK receptor; p58.2 MHC class-I-specific NK receptor; p58 natural killer cell receptor clone CL-6; natural killer cell inhibitory receptor KIR2DL3; NKAT; GL183; NKAT2; CD158b; NKAT2A; NKAT2B; KIR-K7b; KIR-K7c; KIRCL23; KIR-023GB; MGC129943;

Gene ID 3804

mRNA Refseq NM_015868

Protein Refseq NP_056952

MIM 604938

UniProt ID P43628

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Chromosome Location	19q13.4
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Graft-versus-host disease, organism-specific biosystem; Graft-versus-host disease, conserved biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem;
Function	antigen binding; protein binding; receptor activity;

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