

Active Recombinant Human KIR2DL2 protein, Fc-tagged

Cat. No. KIR2DL2-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KIR2DL2(His22 - His245) fused with Fc region of Human IgG1 at C-terminal was expressed in NS0.
Species	Human
Source	Mammalian Cells
ProteinLength	22-245 a.a.
Predicted N Terminal	His22
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by its ability to bind HEK293T human embryonic kidney cells in a flow cytometry assay. When 1 µg of Recombinant Human KIR2DL2/CD158b1 Fc Chimera is added to 5 x 10 ⁵ HEK293T cells, >20% of the cells will bind to the protein.
Molecular Mass	Predicted Molecular Mass: 51.2 (monomer) kDa;SDS-PAGE: 65-75 kDa, reducing conditions.
Endotoxin	<1.0 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain
Storage	Avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70

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centigrade as supplied.1 month, 2 to 8 centigrade under sterile conditions after reconstitution.3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 100 µg/mL in PBS.

GENE INFORMATION

Gene Name KIR2DL2 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2 [Homo sapiens]

Official Symbol KIR2DL2

Synonyms KIR2DL2; killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 2; killer cell immunoglobulin-like receptor 2DL2; CD158B1; CD158k; cl 43; nkat6; NKAT-6; p58 NK receptor CL-43; MHC class I NK cell receptor; CD158 antigen-like family member B1; natural killer-associated transcript 6; p58 natural killer cell receptor clone CL-43; NKAT6; p58.2; CD158b;

Gene ID 3803

mRNA Refseq NM_014219

Protein Refseq NP_055034

MIM 604937

UniProt ID P43627

Chromosome Location 19q13.4

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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

receptor activity;

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