

## Recombinant Human KIR2DL1 Protein, His-tagged

Cat. No. KIR2DL1-495H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human KIR2DL1 (NP_055033.2) extracellular domain (Met 1-His 245) was fused with a polyhistidine tag at the C-terminus.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-245 a.a.
<b>Predicted N Terminal</b>	His 22
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
<b>Molecular Mass</b>	The secreted recombinant human KIR2DL1 comprises 235 amino acids and has a predicted molecular mass of 26 kDa. The apparent molecular mass of rhKIR2DL1 is approximately 45 kDa in SDS-PAGE under reducing conditions due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>92 % as determined by SDS-PAGE.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** KIR2DL1 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1 [ Homo sapiens ]

**Official Symbol** KIR2DL1

**Synonyms** KIR2DL1; killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1; killer cell immunoglobulin-like receptor 2DL1; 47.11; CD158A; cl 42; nkat1; p58.1; NKAT-1; killer Ig receptor; p58 NK receptor CL-42/47.11; MHC class I NK cell receptor; killer inhibitory receptor 2-2-1; CD158 antigen-like family member A; natural killer-associated transcript 1; p58 NK cell inhibitory receptor NKR-K6; p58.1 MHC class-I-specific NK receptor; p58 killer cell inhibitory receptor KIR-K64; p58 natural killer cell receptor clones CL-42/47.11; NKAT; NKAT1; KIR221; KIR-K64;

**Gene ID** 3802

**mRNA Refseq** NM\_014218

**Protein Refseq** NP\_055033

**MIM** 604936

**UniProt ID** P43626

**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;

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