

# Recombinant Human KIR2DL1

**Cat. No.** KIR2DL1-145H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1 produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain. The protein contains 202 amino acids and has a molecular mass of 22.2 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	An inhibitory Keller Cell Ig-like Receptor(KIR, previously called p58 KIR, p58.1, cl-42, NKAT1, or KIR-K6), which recognizes class I MHC molecules(HLA-Cw2, -Cw4, -Cw5, and Cw6). The extracellular domain of KIR2DL1 was over expressed as insoluble protein aggregates(inclusion bodies).
<b>Amino Acid Sequence</b>	MEGVHRKPSL LAHPGRLVKS EETVILQCWS DVMFEHFLH REGMFNDTLR LIGEHHDGVS KANFSISRMT QDLAGTYRCY GSVTHSPYQV SAPSDPLDIV IIGLYEKPSL SAQLGPTVLA GENVTLSCSS RSSYDMYHLS REGEAHERRL PAGPKVNGTF QADFPLGPAT HGGTYRCFGS FHDSPYEWSK SSDPLLVSVT GN.
<b>Physical Appearance</b>	Sterile filtered colorless solution.
<b>Formulation</b>	The protein (1mg/ml) contains 25mM Tris-HCl (pH7.5).
<b>Purity</b>	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Coomassie.

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**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

## GENE INFORMATION

**Gene Name**

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

**Synonyms**

killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1; NKAT; NKAT1; p58.1; CD158A; KIR221; KIR-K64; KIR2DL1; killer inhibitory receptor 2-2-1; p58 natural killer cell receptor; natural killer-associated transcript 1; p58 NK cell inhibitory receptor NKR-K6; p58 killer cell inhibitory receptor KIR-K64; cl-42; nkat1; 47.11; NKAT-1; CD158 antigen-like family member A; CD158a antigen; MHC class I NK cell receptor; Natural killer-associated transcript 1; p58 NK receptor; p58 natural killer cell receptor clones CL-42/47.11; p58.1 MHC class-I-specific NK receptor

**Gene ID**

3802

**mRNA Refseq**

NM\_014218

**Protein Refseq**

NP\_055033

**MIM**

604936

**UniProt ID**

P43626

**Pathway**

Antigen processing and presentation; Graft-versus-host disease; Natural killer cell mediated cytotoxicity; Signaling in Immune system

**Function**

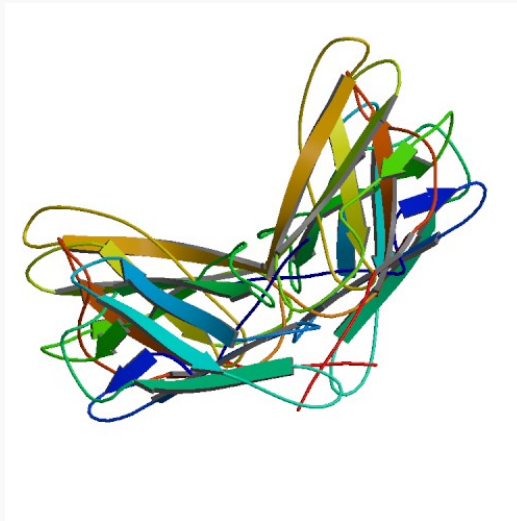
receptor activity

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