

## Recombinant Human KIR2DL3

**Cat. No.** KIR2DL3-146H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3 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 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	An inhibitory Killer Cell Ig-like Receptor(KIR, previously called p58 KIR, cl-6, NKAT2 or KIR-K7), which recognizes class I MHC molecules(HLA-Cw1, -Cw3, -Cw7, and Cw8).
<b>Amino Acid Sequence</b>	MEGVHRKPSL LAHPGPLVKS EETVILQCWS DVRFQHLLH REGKFKDTLH LIGEHHDGIS KANFSIGPMM QDLAGTYRCY GSVTHSPYQL SAPSDPLDIV ITGLYEKPSL SAQPGPTVLA GESVTLSCSS RSSYDMYHLS REGEAHERRF SAGPKVNGTF QADFPLGPAT HGGTYRCFGS FRDSPYEWSN 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.
<b>Stability</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for

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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

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

### Synonyms

killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3; p58; NKAT; GL183; NKAT2; CD158b; NKAT2A; NKAT2B; CD158B2; KIR-K7b; KIR-K7c; KIRCL23; KIR-023GB; MGC129943; KIR2DL3; NK-receptor; p58 natural killer cell receptor; natural killer associated transcript 2; p58.2 MHC class-I specific NK receptor; killer cell immunoglobulin-like receptor 2DL3; natural killer cell inhibitory receptor KIR2DL3; cl-6; nkat2; nkat2a; nkat2b; NKAT-2; NKAT2a; NKAT2b; CD158 antigen-like family member B2; CD158b2 antigen; Killer inhibitory receptor cl 2-3; MHC class I NK cell receptor; Natural killer-associated transcript 2; p58 NK receptor; p58 natural killer cell receptor clone CL-6; p58.2 MHC class-I-specific NK receptor

### Gene ID

3804

### mRNA Refseq

NM\_014511

### Protein Refseq

NP\_055326

### MIM

604938

### UniProt ID

P43628

### Pathway

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

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**Function**

antigen binding; receptor activity

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