

Recombinant Human KIR2DL3

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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).
Amino Acid Sequence	MEGVHRKPSL LAHPGPLVKS EETVILQCWS DVRFQHLLH REGKFKDTLH LIGEHHDGIS KANFSIGPMM QDLAGTYRCY GSVTHSPYQL SAPSDPLDIV ITGLYEKPSL SAQPGPTVLA GESVTLSCSS RSSYDMYHLS REGEAHERRF SAGPKVNGTF QADFPLGPAT HGGTYRCFGS FRDSPYEWSN SSDPLLVSVT GN.
Physical Appearance	Sterile filtered colorless solution.
Formulation	The protein (1mg/ml) contains 25mM Tris-HCl (pH7.5).
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Coomassie.
Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for

 Tel: 1-631-559-9269 1-516-512-3133

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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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