

Recombinant Human KIR2DL1

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	An inhibitory Killer 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).
Amino Acid Sequence	MEGVHRKPSL LAHPGRLVKS EETVILQCWS DVMFEHFLH REGMFNDTLR LIGEHHDGVS KANFSISRMT QDLAGTYRCY GSVTHSPYQV SAPSDPLDIV IIGLYEKPSL SAQLGPTVLA GENVTLS CSS RSSYDMYHLS REGEAHERRL PAGPKVNGTF QADFPLGPAT HGGTYRCFGS FHDSPYEW SK SSDPLLVS VT 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.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

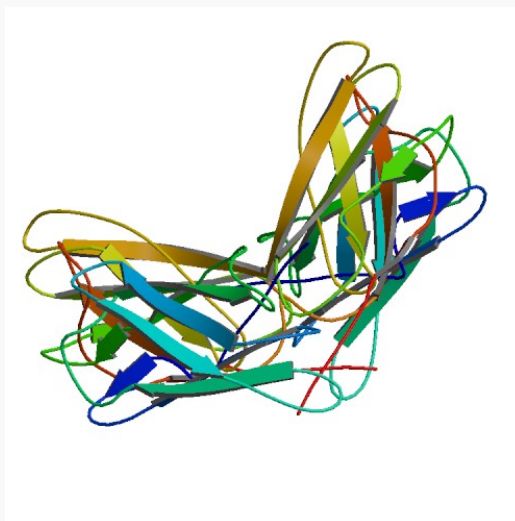
receptor activity

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on 1b6u.



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