

Recombinant Human KIR2DL4

Cat. No. KIR2DL4-147H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant KIR2DS4 protein 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	KIR2DS4 protein is an activating Killer Cell Ig-like Receptor (KIR, previously called p50 KIR, p50.3, cl39, or KAR-K1), which may recognize class I MHC molecules.
Amino Acid Sequence	MEGVHRKPSF LALPGHLVKS EETVILQCWS DVMFEHFLH REGKFNNTLH LIGEHHDGVS KANFSIGPMM PVLAGTYRCY GSVPHSPYQL SAPSDPLDMV IIGLYEKPSL SAQPGPTVQA GENVTLSCSS RSSYDMYHLS REGEAHERRL PAVRSINGTF QADFPLGPAT HGGTYRCFGS FRDAPYEWSN SSDPLLVSVT GN.
Physical Appearance	Sterile filtered colorless solution.
Formulation	The protein (1mg/ml) contains 20mM 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 longer periods of time. Avoid multiple freeze-thaw cycles. For long term storage it is

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recommended to add a carrier protein (0.1% HSA or BSA).

GENE INFORMATION

Gene Name

KIR2DL4 killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4 [Homo sapiens]

Synonyms

killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 4; G9P; CD158D; KIR103; KIR103AS; KIR2DL4; NK cell receptor;natural killer cell inhibitory receptor; 103AS; 15.212; KIR-103AS; OTTHUMP00000068610; CD158 antigen-like family member D; CD158d antigen; Killer cell inhibitory receptor 103AS; MHC class I NK cell receptor KIR103AS

Gene ID

3805

mRNA Refseq

NM_001080770

Protein Refseq

NP_001074239

MIM

604945

UniProt ID

Q99706

Pathway

Antigen processing and presentation; Natural killer cell mediated cytotoxicity; Signaling in Immune system

Function

transmembrane receptor activity

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