

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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