
Product Data Sheet

Product Name: KIR3DL2 Human
 Cat. No.: GP23745
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Killer Cell Immunoglobulin Like Receptor; Three Ig Domains And Long Cytoplasmic Tail 2; Killer Cell Immunoglobulin-Like Receptor; Three Domains; Long Cytoplasmic Tail; 2; P70 Natural Killer Cell Receptor Clone CL-5; Natural Killer-Associated Transcript 4; CD158 Antigen-Like Family Member K; MHC Class I NK Cell Receptor; P70 NK Receptor CL-5; CD158K; NKAT-4; NKAT4; Killer Cell Immunoglobulin-Like Receptor 3DL2; Killer-Cell Immunoglobulin-Like Receptor; P70 Killer Cell Inhibitory Receptor; Killer Ig Receptor; KIR Antigen 3DL2; CD158k Antigen; KIR-3DL2; NKAT4B; 3DL2; P140.

Amino Acid Sequence
 ADPLMGGQDK PFLSARPSTV VPRGGHVALQ CHYRRGFNNF MLYKEDRSHV
 PIFHGRIFQE SFIMGPVTPA HAGTYRCRGS RPHSLTGWSA PSNPLVIMVT
 GNHRKPSLLA HPGPLLKSGE TVILQCWSDV MFEHFFLHRE GISEDPSRLV
 GQIHDGVSKA NFSIGPLMPV LAGTYRCYGS VPHSPYQLSA PSDPLDIVIT
 GLYEKPSLSA QPGPTVQAGE NVTLS CSSWS SYDIYHLSRE GEAHERRLRA
 VPKVNRTFQA DFPLGPATHG GTYRCFGSFR ALPCVWSNSS DPLLVSVTGN
 PSSSWPSPTE PSSKSGICRH LHVEPKSCDK THTCPPCPAP ELLGGPSVFL
 FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV EVHNAKTKPR
 EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ
 PREPQVYTLV PSRDELTKNQ VSLTCLVKGF YPSDIAVEWE SNGQPENNYK
 TTPPVLDSDG SFFLYSKLTV DKSRWQQGNV FSCSVMHEAL HNHYTQKSL
 LSPGKHHHHH H.

Formulation KIR3DL2 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Introduction

Caution: Product has not been fully validated for medical applications. For research use only.

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Killer Cell Immunoglobulin-Like Receptor, 3 Domains Long Cytoplasmic Tail 2 (KIR3DL2) is a type 1 transmembrane protein of the p70 family of killer cell Ig-like receptors. KIR3DL2 is a receptor on NK cells for HLA-A alleles which inhibits their activity consequently preventing cell lysis.

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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KIR3DL2 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 561 amino acids (22-340a.a.) and having a molecular mass of 62.2kDa (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). KIR3DL2 is expressed with a 239 amino acids hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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