

Recombinant human CD158k/KIR3DL2 protein

Catalog Number: ATGP3649

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

22-340aa

UniProt No.

P43630

NCBI Accession No.

NP_006728

Alternative Names

Killer cell immunoglobulin-like receptor 3DL2 isoform 1, Killer cell immunoglobulin like receptor three Ig domains and long cytoplasmic tail 2, CD158 antigen-like family member K, Natural killer-associated transcript 4, NKAT-4, p70 natural killer cell receptor clone CL-5, p70 NK receptor CL-5, nkat4a, nkat4b, CD158K

PRODUCT SPECIFICATION

Molecular Weight

62.2 kDa (561aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

KIR3DL2, also known as killer cell immunoglobulin-like receptor 3DL2 isoform 1, is a type 1 transmembrane protein of the p70 family of killer cell Ig-like receptors. Killer cell immunoglobulin-like receptors (KIRs) are

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expressed by natural killer cells and subsets of T cells. The KIRs are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. Also, these proteins are thought to play an important role in regulation of the immune response. Recombinant human KIR3DL2, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

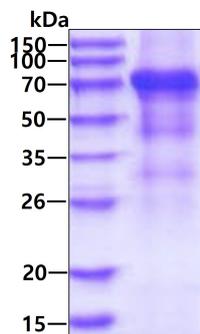
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GQIHDGVSKA NFSIGPLMPV LAGTYRCYGS VPHSPYQLSA PSDPLDIVIT GLYEKPSLSA QPGPTVQAGE NVTLS CSSWS
SYDIYHLSRE GEAHERRLRA VPKVNRTFQA DFPLGPATHG GTYRCFGSFR ALPCVWSNSS DPLLVSVTGN PSSSWPSPT
PSSKSGICRH LH<VEPKSCDK THTCPPCPAP ELLGGPSVFL FPPKPKDTLM ISRTPEVTCV VVDVSHEDPE VKFNWYVDGV
EVHNAKTKPR EEQYNSTYRV VSVLTVLHQD WLNGKEYKCK VSNKALPAPI EKTISKAKGQ PREPQVYTLPSRDELTKNQ
VSLTCLVKGF YPSDIAVEWE SNGQPENNYK TTPPVLSDG SFFLYSKLTV DKSRWQQGNV FSCVMHEAL HNHYTQKSL
LSPGKHHHHH H>
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General References

Dohring C., et al, (1996) J. Immunol. 156:3098-3101.
 Pende D., et al, (1996) J. Exp. Med. 184:505-518.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.