

32-13278: KIR2DL4 Human

Alternative Name : Killer Cell Immunoglobulin Like Receptor, Two Ig Domains And Long Cytoplasmic Tail 4, Killer Cell Immunoglobulin-Like Receptor, Two Domains, Long Cytoplasmic Tail 4, Killer Cell Inhibitory Receptor 103AS, MHC Class I NK Cell Receptor KIR103AS, CD158 Antigen-Like Family Member D, KIR-103AS, KIR103AS, CD158D, G9P, Killer Cell Immunoglobulin-Like Receptor 2DL4, CD158d Antigen, KIR-2DL4, KIR103, KIR2DL4.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Killer cell immunoglobulin-like receptor 2DL4, also known as KIR2DL4 is part of the killer cell Ig-like receptor (KIR) family. KIR proteins with the long cytoplasmic domain transduce inhibitory signals through an immune tyrosine-based inhibitory motif (ITIM), whereas KIR proteins which contain the short cytoplasmic domain, lack the ITIM motif and as a substitute associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. KIR2DL4 stimulates NK cells to produce IFN-gamma and stimulation with IL-2 upregulates cell surface expression on CD56dim cells and leads to the inhibition of the cytolytic NK cell function.

KIR2DL4 Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 458 amino acids (24-242 a.a.) and having a molecular mass of 51kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). KIR2DL4 is expressed with a 239 amino acids hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : KIR2DL4 protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

Storage condition : 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.

Amino Acid : HVGGQDKPFC SAWPSAVVPQ GGHVTLRCHY RRGFNIFTLY KKDGVVPPEL YNRIFWNSFL ISPVTPAHAG TYRCRGFHPH SPTIEWSAPSN PLVIMVTGLY EKPSLTARPG PTVRAGENVT LSCSSQSSFD IYHLSREGEA HELRLPAVPS INGTFQADFP LGPATHGETY RCFGSFHGSPYEWSDPSDPL PVSVTGNPSS SWPSPTPEPSF KTGIARHLHL EPKSCDKTHT CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWWYVDGVEVH NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE PQVYTLPPSRDELTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGGSFF LYSKLTVDKS RWQQGNVFSC SVMHEALHNN YTQKLSLSLP GKHHHHHHH