KIR2DL1(p58 KIR, CD158), Human, Recombinant, Recombinant, E.coli

Cat.NO.: TP02728

3th Edition

Synonyms: Killer cell immunoglobulin-like receptor 2DL1, NKAT-1, p58 NK receptor, CD158a

Description: An inhibitory Keller Cell Ig-like Receptor(KIR, previously called p58 KIR, p58.1, cl-42, NKAT1, or KIRK6), which recognizes class I MHC molecules(HLA-Cw2, -Cw4, -Cw5, and Cw6). The protein coding region of the extracellular domain of KIR2DL1(amino acids 1-202) was cloned into an E. coli expression vector. The extracellular domain of KIR2DL1 was overexpressed as insoluble protein aggregates(inclusion bodies). The recombinant KIR2DL1 protein was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a redox buffer.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5)

Molecular Weight:22.2kDa (202aa), confirmed by MALDI-TOF

Sequences:
MEGVHRKPSLLAHPGRLVKSEETVILQCWSDVMFEHFLLHREGMFNDTLRLIGEHHDGVSKANFSISRMTQDLAGT
YRCYGSVTHSPYQVSAPSDPLDIVIIGLYEKPSLSAQLGPTVLAGENVTLSCSSRSSYDMYHLSREGEAHERRLPAG
PKVNGTFQADFPLGPATHGGTYRCFGSFHDSPYEWSKSSDPLLVSVTGN

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.