

**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:**

MEGVHRKPSLLAHPGRLVKSEETVILQCWSDVMFEHFLLHREGMFNDTLRLIGEHHHDGVSKANFSISRMTQDLAGT  
YRCYGSVTHSPYQVSAPSDPLDIVIIGLYEKPSLSAQLGPTVLAGEVNTLSCSSRSSYDMYHLSREGEAHERRLPAG  
PKVNGTFQADFPLGPATHGGTYRCFGSFHDSPEYWSKSSDPLLVSVTGN

**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.