

KIR2DS4(p50 KIR, CD158), Human, Recombinant, Recombinant, E.coli

Cat.NO.: TP02730

3th Edition

Synonyms:Killer cell immunoglobulin-like receptor 2DS4, CD158I, KIR1D, KIR412, KKA3, NKAT8

Description:An activating Killer Cell Ig-like Receptor(KIR, previously called p50 KIR, p50.3, cl39, or KAR-K1), which may recognize class I MHC molecules. The protein coding region of the extracellular domain of KIR2DS4(amino acids 1-202) was cloned into an E. coli expression vector. The extracellular domain of KIR2DS4 was overexpressed as insoluble protein aggregates(inclusion bodies). The recombinant KIR2DS4 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:22.2 kDa (202 aa), confirmed by MALDI-TOF

Sequences:

MEGVHRKPSFLALPGHLVKSEETVILQCWSDVMFEHFLHREGKFNNLTLHLIGEHHDGVSKANFSIGPMMPVLAGT
YRCYGSVPHSPYQLSAPSDPLDMVIIGLYEKPSLSAQPGPTVQAGENVTLSCSSRSSYDMYHLSREGEAHERRLPA
VRSINGTFQADFPLGPATHGGTYRCFGSFRDAPYEWSNSSDPLLVSVTGN

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.