
KIR3DL1(Cytoplasmic tail, 361-444aa, His-tag , Human)**Recombinant, expressed in *E.coli*****Cat. No. KIR3004****Size ; 100 μ g**

Description ; The three Ig-domain from of inhibitory killer cell Ig-like receptor 1(KIR3DL1,NKB1, nkat3, p70KIR) is a NK cell receptor for polymorphic HLA-B determinant. KIR3DL1 recognizes the Bw4 determinant defined by sequence motifs at positins 77-83 of the HLA-B heavy chain. The cytoplasmic tail of KIR, which contains two immunoreceptor tyrosine-based inhibition motifs(ITIMs), mediates inhibitory signal transduction that prevents killer cell-mediated cytotoxicity. A His-tag fusion protein of KIR3DL1 cytoplasmic tail(361-444aa) was overexpressed as insoluble protein aggregates(inclusion bodies). This protein was purified by FPLC gel-filtration chromatography, after refolding of the isolated inclusion bodies in a redox buffer

Form : Liquid. In 25 mM Tris-HCl (pH7.5) 100mM NaCl

Molecular weight : 15KDa (132amino acids)

Purity : \geq 95% by SDS-PAGE

Sequence : MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSTSGT IDKLDIEFHL
WCSNKKNAAV MDQEPAGNRT ANSEDSDEQD PEEVTYAQLD HCVFTQRKIT
RPSQRPKTPP TDTILYTELP NAKPRSKVVS CP

Storage : Store at -20°C. Avoid freeze/thaw cycles

References : Chan, H.w., *et al* (2003) *J.Exp. Med.* 197(2)245-255
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Colonna M & Samaridis, J (1995) *Science* 268, 405-
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