

## 32-7288: Recombinant Human KIR2DL4/CD158d/KIR103 (C-6His)

**Gene :** KIR2DL4

**Gene ID :** 3805

**Uniprot ID :** Q99706

### Description

Source: Human Cells.

MW :25.34kD.

Recombinant Human KIR2DL4 is produced by our Mammalian expression system and the target gene encoding Trp22-His242 is expressed with a 6His tag at the C-terminus. Killer cell immunoglobulin-like receptor 2DL4(KIR2DL4) is a Single-pass type I membrane protein and contains 2 Ig-like C2-type (immunoglobulin-like) domains. It belongs to the immunoglobulin superfamily. KIR2DL4 is expressed in all NK cells and some T cells. KIR2DL4 activates the cytotoxicity of NK cells, despite the presence of an immunoreceptor tyrosine-based inhibition motif (ITIM) in its cytoplasmic tail. The ITIM was not necessary for activation of lysis by KIR2DL4. The activation signal of KIR2DL4 was sensitive to inhibition by another ITIM-containing receptor. The activation-deficient mutant of KIR2DL4 inhibited the signal delivered by the activating receptor CD16.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** WAHVGGQDKPFCSAWPSAVVPQGGHVTLRCHYRRGFNIFTLYKKDGVVPPELYNRIFWNSFLISPVTPAHAGTYRCRGFHPHSPTSEWSAPSNPLVIMVTGLYEKPSLTARPGPTVRTGENVTLSQSSQSSFDIYHLSREGEAHELRLP AVPSINGTFQADFPLGPATHGETYRCFGSFHGSPYEWSDASDPLPVSVTGNPSSSWPSPTSEPSFKTGIARHLHV DHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.