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# Recombinant Human KIR2DL4/CD158D Protein (His Tag)

Catalog Number: PKSH032675

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## Description

Species Human

Source HEK293 Cells-derived Human KIR2DL4; CD158D protein Trp22-His242, with an C-

terminal His

Calculated MW 25.3 kDa
Observed MW 30-40 kDa
Accession ADY38409.1

**Bio-activity** Not validated for activity

### **Properties**

**Purity** > 80 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80

°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at < -20°C for 3 months.

ShippingThis product is provided as lyophilized powder which is shipped with ice packs.FormulationLyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

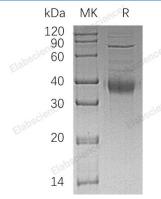
Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants

before lyophilization.

Please refer to the specific buffer information in the printed manual.

**Reconstitution** Please refer to the printed manual for detailed information.

### Data



> 80 % as determined by reducing SDS-PAGE.

### **Background**

Killer cell immunoglobulin-like receptor 2DL4(KIR2DIA) is a Single-pass type I membrane protein and contains 2 Ig-like C2-type (immunoglobulin-like) domains. It belongs to the immunoglobulin superfamily. KIR2DIA is expressed in all NK cells and some T cells. KIR2DIA 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 KIR2DIA. The activation signal of KIR2DIA was sensitive to inhibition by another ITIM-containing receptor. The activation-deficient mutant of KIR2DIA inhibited the signal delivered by the activating receptor CD16.

### For Research Use Only

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