

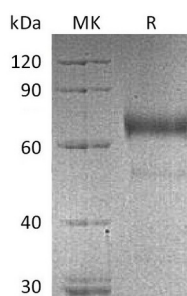
**Product Name: Recombinant Human KIR2DL3 (C-Fc)**  
**Catalog #: PHH1049**



## Summary

<b>Name</b>	KIR2DL3/NKAT2/CD158b2
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Killer Cell Immunoglobulin-like Receptor 2DL3 is produced by our Mammalian expression system and the target gene encoding His22-His245 is expressed with a human IgG1 Fc tag at the C-terminus.
<b>Accession #</b>	P43628
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	51.7 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image



## Background

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**Alternative Names**

Killer cell immunoglobulin-like receptor 2DL3; KIR2DL3; CD158b2; NKAT2; CD158 antigen-like family member B2; KIR-023GB; Killer inhibitory receptor cl 2-3; MHC class I NK cell receptor; NKAT-2; p58 NK receptor CL-6

**Background**

Killer-Cell Immunoglobulin-Like Receptors (KIRs) are important cells of the immune system. KIRs are a family of Natural Killer (NK) Cells surface glycoproteins. KIRs control the killing function of these cells by interacting with MHC class I molecules. This interaction allows KIRs to identify virally infected cells or tumor cells by the distinctive low level of Class I MHC on their surface. The majority of KIRs are inhibitory, their recognition of MHC suppresses the cytotoxic activity of their NK cell. Only a limited number of KIRs have the capacity to activate cells. KIR2DL3 is an inhibitory Killer Cell Ig-like Receptor. KIR2DL3 recognizes class I MHC molecules (HLA-Cw1, -Cw3, -Cw7, and Cw8). KIR2DL3 inhibits the activity of NK cells thus preventing cell lysis.

**Note**

For Research Use Only , Not for Diagnostic Use.