

## Product datasheet for **TP727505**

### **KIR2DL3 Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Human KIR2DL3/NKAT2/CD158b2 (C-6His)
<b>Species:</b>	Human
<b>Expression cDNA Clone or AA Sequence:</b>	His22-His245
<b>Tag:</b>	C-His
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
<b>Note:</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 6His tag at the C-terminus.
<b>Stability:</b>	12 months from date of despatch
<b>Locus ID:</b>	3804
<b>UniProt ID:</b>	<a href="#">P43628</a>
<b>Summary:</b>	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.



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