

## Recombinant Human CD226/DNAM-1 Protein (Fc Tag)

**Catalog Number:** PKSH033729

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

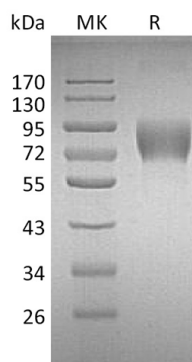
### Description

|                     |   |
|---------------------|---|
| <b>Species</b>      | Human   |
| <b>Source</b>       | HEK293 Cells-derived Human CD226;DNAM-1 protein Glu19-Asn247, with an C-terminal Fc |
| <b>Mol_Mass</b>     | 52.8 kDa  |
| <b>Accession</b>    | Q15762  |
| <b>Bio-activity</b> | Not validated for activity  |

### Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.   |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| <b>Storage</b>        | 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.           |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.  |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.<br>Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual. |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.   |

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Human DNAX accessory molecule 1 (DNAM-1/CD226) is a 65 kDa type I transmembrane glycoprotein in the immunoglobulin superfamily. Mature human DNAM-1 contains an extracellular domain (ECD) with two Ig-like C2-set domains and a cytoplasmic region that contains motifs for binding PDZ domains and band 4.1 family proteins. DNAM-1 is expressed on multiple lymphoid and myeloid cells and interacts with CD155 and CD112. Ligation of DNAM-1 promotes the activation of NK cells; CD8+ T cells; and mast cells; dendritic cell maturation; megakaryocyte and activated platelet adhesion to vascular endothelial cells; and monocyte extravasation; it inhibits the formation of osteoclasts. Platelet-endothelium; interactions mediated by DNAM-1; enable the metastasis of tumor cells to the lung.

### For Research Use Only

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