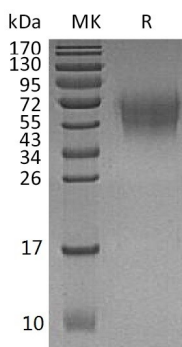


## Summary

<b>Name</b>	DNAM-1/CD226/CD226 Antigen/DNAX Accessory Molecule-1
<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 CD226 Antigen is produced by our Mammalian expression system and the target gene encoding Glu19-Asn247 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	Q15762
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	26.8 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



**Product Name: Recombinant Human DNAM-1 (C-6His)**  
**Catalog #: PHH0312**



---

## Background

**Alternative Names** CD226 antigen; DNAX accessory molecule 1; DNAM-1; CD226; DNAM1

**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.

## Note

For Research Use Only , Not for Diagnostic Use.