

## Product datasheet for **TP727731**

### CD226 Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CD226 Antigen/DNAM-1/CD226 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu19-Asn247
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
Stability:	12 months from date of despatch
Locus ID:	10666
UniProt ID:	<a href="#">Q15762</a>
Summary:	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.



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