

For Research Use Only

# Recombinant Human CD226 protein (Myc Tag, His Tag)



Catalog Number: Eg0027

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
Myc Tag, His Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human CD226 protein Glu19-Asn247 (Accession# Q15762) with a Myc tag and a His tag at the C-terminus.

**GeneID:**

10666

**Accession:**

Q15762

**Predicted Molecular Mass:**

31.3 kDa

**SDS-PAGE:**

40-65 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

CD226 (DNAM-1) is a ~65 kDa glycoprotein expressed on the surface of NK cells, platelets, monocytes and a subset of T cells. It is a member of the Ig-superfamily containing 2 Ig-like domains of the V-set. CD226 mediates cellular adhesion of platelets and megakaryocytic cells to vascular endothelial cells. The protein also plays a role in megakaryocytic cell maturation. Interactions of CD226 and its ligands, CD155 and CD112, induce NK and T cell-mediated cytotoxicity and cytokine secretion.

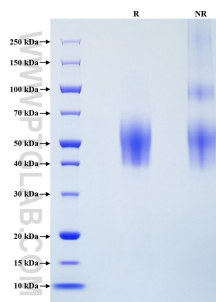
## References

- 1.A Shibuya, et al. (1996) Immunity. 4(6):573-81.
- 2.Cristina Bottino, et al. (2003) J Exp Med. 198(4):557-67.
- 3.Hiroshi Kojima, et al. (2003) J Biol Chem. 278(38):36748-53.
- 4.Satoko Tahara-Hanaoka, et al. (2004) Int Immunol. 16(4):533-8.

## Synonyms

CD226, CD226 antigen, CD226 molecule, DNAM 1, DNAM1

## Selected Validation Data



Purity of Recombinant Human CD226 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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