

For Research Use Only

# Recombinant Human PLXNC1 protein (rFc Tag)



Catalog Number: Eg2721

## Basic Information

**Species:**  
Human

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

**Tag:**  
rFc Tag

## Technical Specifications

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

**Endotoxin Level:**  
<0.1 EU/  $\mu$ g protein, LAL method

**Source:**  
HEK293-derived Human PLXNC1 protein Ala35-Thr944 (Accession# O60486) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**  
10154

**Accession:**  
O60486

**Predicted Molecular Mass:**  
126.2 kDa

**SDS-PAGE:**  
130-200 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

PLXNC1 (Plexin-C1) is a semaphorin receptor that bridges extracellular guidance cues to intracellular GTPase signaling, influencing cell adhesion, migration, and immune modulation. Predominantly expressed in neuronal, epithelial, and immune tissues, it regulates axon guidance and inflammatory balance via SEMA7A-dependent pathways. Dysregulated PLXNC1 signaling contributes to cancer progression, immune dysregulation, and neuronal pathologies, highlighting its versatile role in cell communication and morphogenesis.

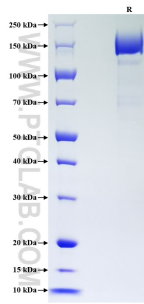
## References

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## Synonyms

CD232, plexin C1, PLXN C1, VESPR

## Selected Validation Data



Purity of Recombinant Human PLXNC1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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