

Recombinant Human CXCL16 protein (rFc Tag)

Catalog Number: Eg2165

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<1.0 EU/ µg protein, LAL method

Source:

HEK293-derived Human CXCL16 protein Asn30-Thr205 (Accession# Q9H2A7) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

58191

Accession:

Q9H2A7

Predicted Molecular Mass:

45.4 kDa

SDS-PAGE:**Formulation:**

Lyophilized from sterile 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

CXCL16 was discovered as a ligand for CXC chemokine receptor (CXCR) 6. CXCL16 is a membrane-bound chemokine that consists of four distinct domains: the chemokine domain, mucin-like domain, transmembrane domain and ad cytoplasmic. After cleavage, soluble CXCL16 acts as a chemoattractant for activated CD8 T cells, NKT cells and Th1-polarized T cells that express CXCR6. CXCL16 expression has been studied mainly in macrophages and dendritic cells. CXCL16 production by non-immune cells remains controversial. CXCL16 was expressed as two different forms: a 50 kDa form and a 28 kDa form, and the 50 kDa may be the glycosylated form.

References

1. Tohyama, Mikiko et al. International immunology vol. 19,9 (2007): 1095-102.
2. Abu El-Asrar, Ahmed M et al. Frontiers in immunology vol. 11 (2021):60163.
3. Tohyama, Mikiko et al. International immunology vol. 19,9 (2007): 1095-102.

Synonyms

Selected Validation Data

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.