For Research Use Only

Recombinant Human CXCL5 protein (rFc Tag)

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Catalog Number: Eg2939

Basic Information

Species: Human

Purity: >90 %, SDS-PAGE

Tag: rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human CXCL5 protein Ala37-Asn114 (Accession# P42830) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
6374

Accession:
P42830

Predicted Molecular Mass:
34.0 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℃ to -80℃ as lyophilized proteins.
- 3 months, -20℃ to -80℃ 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

Chemokines are a class of pro-inflammatory cytokines that can recruit and activate chemotactic cells. C - X - C motif chemokine ligand 5 (CXCL5) is a member of the chemokine family binding CXCR2 (C-X-C Motif Chemokine Receptor 2), a G-protein coupled receptor. CXCL5 is an inflammatory mediator and a powerful attractant for granulocytic immune cells. CXCL5 is a chemokine that promotes tumor formation by triggering the migration of immune cells to tumors and promotes immmuno-suppressive characteristics of the tumor microenvironment. In addition, CXCL5 can also promote tumor cell metastasis and recruit vascular endothelial cells for angiogenesis.

References

1. Deng, Jie et al. Frontiers in oncology vol. 12 (2022): 944494.
2. Kawamura, Mikio et al. European journal of cancer (Oxford, England : 1990) vol. 48,14 (2012): 2244-51.
3. Hu, Binwu et al. Cancer cell international vol. 18 (2018): 68.
4. Begley, Lesa A et al. Neoplasia (New York, N.Y.) vol. 10,3 (2008): 244-54.
5. Koltsova, Ekaterina K, and Klaus Ley. Immunity vol. 33,1 (2010): 7-9.

Synonyms

Selected Validation Data