

For Research Use Only

# Recombinant Human CXCL5 protein (mFc Tag)



Catalog Number: Eg4041

## Basic Information

**Species:**  
Human

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

**Tag:**  
mFc Tag

## Technical Specifications

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

**Endotoxin Level:**  
<0.1 EU/μg protein, LAL method

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

**GeneID:**  
6374

**Accession:**  
P42830

**Predicted Molecular Mass:**  
35.0 kDa

**SDS-PAGE:**  
35-40 kDa, reducing (R) conditions

**Formulation:**  
Lyophilized from 0.22 μm 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

CXCL5 is a member of the ELR+ CXC chemokine family, whose members contain a highly conserved three amino acid motif (ELR+) that promotes angiogenesis and is highly associated with aberrant angiogenesis. CXCL5 is an important chemokine secreted by immune cells, such as monocytes and T lymphocytes. Recent studies indicated that CXCL5 is aberrantly expressed in >14 different types of cancer, including hepatocellular carcinoma, prostate cancer, pancreatic cancer, and gastric cancer. Antibody neutralization of CXCL5 in experimental models of human non-small-cell lung cancer decreased tumor angiogenesis and metastasis.

## References

1. Robert M Strieter. et al. (2004) Semin Cancer Biol. 14(3):195-200.
2. R M Strieter. et al. (1995) J Biol Chem. 270(45):27348-57.
3. Morgan O'Hayre. et al. (2008) Biochem J. 2008 Feb 1;409(3):635-49.
4. Gildas Lepennetier. et al. (2019) J Neuroinflammation. 16(1):219.
5. Wen Zhang. Et al. (2020) Cancer Commun (Lond). 40(2-3):69-80.

## Synonyms

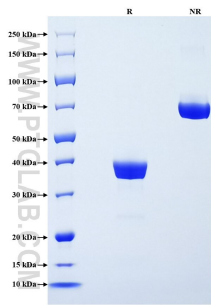
C X C motif chemokine 5, C-X-C motif chemokine 5, CXCL 5, CXCL-5, ENA-78(1-78)

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

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## Selected Validation Data



Purity of Recombinant Human CXCL5 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.