

For Research Use Only

Recombinant Rat CXCL7 protein (mFc Tag)



Catalog Number: Eg3404

Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE

Tag:
mFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Rat CXCL7 protein Ile46-Ile107 (Accession# A6KKE5) with a mouse IgG Fc tag at the N-terminus.

GeneID:

246358

Accession:

A6KKE5

Predicted Molecular Mass:

34.5 kDa

SDS-PAGE:

34-37 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ 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

CXCL7 is a platelet-derived growth factor that belongs to the CXC chemokine family, functioning as a potent chemo-attractant and activator of neutrophils through binding to its receptor CXCR2. CXCL7 has been demonstrated to participate in a variety of cellular processes, such as DNA synthesis, glycolysis, mitosis, intracellular cAMP accumulation, prostaglandin E2 secretion, as well as the synthesis of hyaluronic acid and plasminogen activator. In cancer cells, CXCL7 exerts promotion of cancer development in a variety of different cancer types, including renal cell carcinoma, lung cancer, and breast cancer.

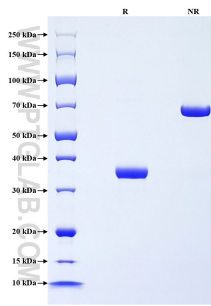
References

1. Yu M, et al. (2010) J Oncol. 2010:939407.
2. Guo Q, et al. (2017) Oncol Rep. 37(2):1114-1122.
3. Kinouchi T, et al. (2017) Cancer Sci. 108(12):2495-2502.
4. Wang YH, et al. (2021) Cell Death Dis. 12(12):1090.

Synonyms

Chemokine (C-X-C motif) ligand 7, Ppbb

Selected Validation Data



Purity of Recombinant Rat CXCL7 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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