

For Research Use Only

Recombinant Mouse CXCL1 protein (hFc Tag)



Catalog Number: Eg0160

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
hFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse CXCL1 protein Ala25-Lys96 (Accession# P12850) with a human IgG2 Fc tag at the C-terminus.

GeneID:

14825

Accession:

P12850

Predicted Molecular Mass:

33.8 kDa

SDS-PAGE:

33-37 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

CXCL1 a is a member of CXC family and also known as keratinocyte-derived chemokines (KC) or growth-related oncogene (GRO). CXCL1 is expressed by macrophages, neutrophils and epithelial cells. CXCL1 binding specifically to the CXC chemokine receptor CXCR2, is involved in fibrogenesis and angiogenesis. This protein also plays a role in inflammation and as a chemoattractant for neutrophils. CXCL1 is upregulated in some types of human cancer, including colorectal, bladder, breast, prostate and skin cancers.

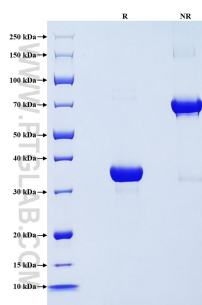
References

1. D. Wang, et al. (2000). Oncogene. 19: 4647-4659.
2. Verbeke H. et al. (2011). Cytokine Growth Factor Rev. 22: 345-358.
3. Miyake M. et al. (2014). Pathol Res Pract. 210: 74-75.
4. Dhawan P. et al. (2002). J Leukoc Biol. 72: 9-18.

Synonyms

chemokine (C X C motif) ligand 1, Growth-regulated alpha protein

Selected Validation Data



Purity of Recombinant Mouse CXCL1 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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