

For Research Use Only

Recombinant Mouse CCL3 protein (rFc Tag)



Catalog Number: Eg2170

Basic Information

Species:
Mouse

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Mouse CCL3 protein Ala24-Ala92 (Accession# P10855) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

20302

Accession:

P10855

Predicted Molecular Mass:

35.1 kDa

SDS-PAGE:

33-40 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

Chemokine (C-C motif) ligand 3 (CCL3), also known as MIP-1 alpha, belongs to the family of chemokines. CCL3 has been found in the central nervous system and its cognate receptors, CCR1 and CCR5, have been reported to be expressed by astrocytes, microglia and neurons. CCL3 and its receptors, CCR1 and CCR5, also contribute to the development of bone disease in multiple myeloma by supporting tumor growth and regulating osteoclast differentiation. CCL3 is also associated with the regulation of cell growth, angiogenesis, and metastasis of different tumors such as melanoma, renal cell carcinoma, and colorectal cancer. Moreover, CCL3 enhances cell migration and metastasis by up-regulating matrix metalloproteinase-2 (MMP)-2 expression in chondrosarcoma cells.

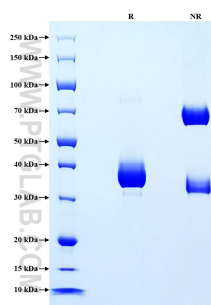
References

1. Menten P. et al. (2002). Cytokine & growth factor reviews. 13:455-481.
2. Vallet S. et al. (2011). Leukemia. 25: 1174-1181.
3. Nakasone Y. et al. (2012). Am J Pathol. 180: 365-374.
4. Wu Y. et al. (2008). J Immunol. 181: 6384-6393.
5. Zhu X. B. et al. (2012). Neurobiol. 38: 602-616.

Synonyms

C-C motif chemokine 3, Ccl3, Heparin-binding chemotaxis protein, L2G25B, Macrophage inflammatory protein 1-alpha

Selected Validation Data



Purity of Recombinant Mouse CCL3 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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