

For Research Use Only

Recombinant Human CCL18 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg5093

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90%, SEC-HPLC

Tag:
rFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90%, SEC-HPLC

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

Source:
HEK293-derived Human CCL18 protein Ala21-Ala89 (Accession# P55774) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
6362

Accession:
P55774

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

CCL18 is a small cytokine belonging to the CC chemokine family. The effector functions that CCL18 exerts on the immune system is mainly on the adaptive immune system, while being produced and secreted mainly by innate immune system. Although the functions of CCL18 have been well studied in vitro, physiological effects of CCL18 in vivo have been difficult to characterize because there is no murine analog of CCL18. Only recently has the receptor for CCL18 been identified, and further characterization of CCL18 interactions with its receptor will lead to better understanding of the physiological role of CCL18 in humans.

References

1. Korbecki J, et al. (2020). Int J Mol Sci. 21(21):7955.
2. Islam SA, et al. (2013). J Exp Med. 210(10):1889-98.
3. de Nadaï P, et al. (2006). J Immunol. 176(10):6286-93.

Synonyms

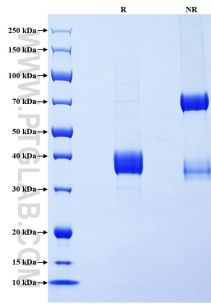
CCL18/MIP-4, MIP 4, MIP-4, Alternative macrophage activation-associated CC chemokine 1, AMAC-1

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

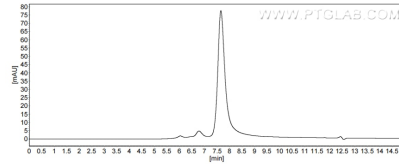
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Human CCL18 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.



The purity of Human CCL18 was greater than 90% as determined by SEC-HPLC.