

For Research Use Only

Recombinant Human CCL27 protein (rFc Tag)(HPLC verified)



Catalog Number: Eg2461

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 CCL27 protein Phe25-Gly112 (Accession# Q9Y4X3) with a rabbit IgG Fc tag at the N-terminus.

GeneID:
10850

Accession:
Q9Y4X3

Predicted Molecular Mass:
37.3 kDa

SDS-PAGE:
34-40 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

CCL27 (also called ESKine, ALP, ILC, or CTACK) is a chemokine predominantly expressed by skin keratinocytes. In the healthy skin, CCL27 expression was predominantly detected in keratinocytes of the epidermis and hair follicles (HF) in both humans and mice. CCL27 expression is suppressed in the lesional skin of various skin inflammatory diseases such as psoriasis, hidradenitis suppurativa (HS), and alopecia areata.

References

1. Davila, Micha L et al. (2022) iScience. 25(6):104426.
2. Zhong, Wenlong et al. (2020) Oncoimmunology. 9(1):1776060.

Synonyms

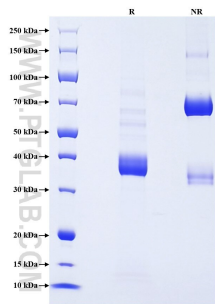
C C motif chemokine 27, CC chemokine ILC, C-C motif chemokine 27, CCL 27, CCL-27

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

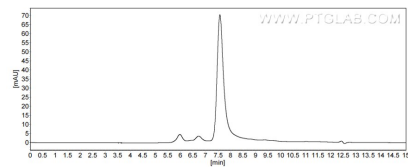
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Purity of Recombinant Human CCL27 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 CCL27 was greater than 90% as determined by SEC-HPLC.