

For Research Use Only

Recombinant Mouse IL-27A protein (rFc Tag)



Catalog Number: Eg4493

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 IL-27A protein Phe29-Ser234 (Accession# Q8K3I6) with a rabbit IgG Fc tag at the N-terminus.

GeneID:

246779

Accession:

Q8K3I6

Predicted Molecular Mass:

50.8 kDa

SDS-PAGE:

50-60 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

IL-27A, also known as IL-30 or p28, is a subunit of the IL-27 cytokine, which is a heterodimeric molecule composed of IL-27A and EBI3. IL-27A is a part of the IL-12 family of cytokines and plays a significant role in the immune system, particularly in innate immunity. It has both pro- and anti-inflammatory properties and is involved in the regulation of T-helper cell development, suppression of T-cell proliferation, stimulation of cytotoxic T-cell activity, and induction of isotype switching in B-cells.

References

1. Min B, et al. (2021) Exp Mol Med. 53(5):823-834.
2. Pflanz S, et al. (2002) Immunity. 16(6):779-90.
3. Li CS, et al. (2009) J Gastroenterol Hepatol. 24(10):1692-6.

Synonyms

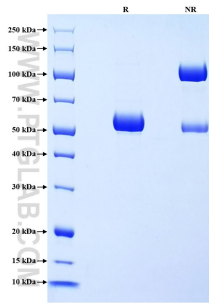
IL27, IL-27, IL-27 p28, IL-27 p28/IL-30, IL-27 subunit alpha

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

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Selected Validation Data



Purity of Recombinant Mouse IL-27A 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.