

For Research Use Only

Recombinant Mouse IL-15 protein (rFc Tag)



Catalog Number: Eg2179

Basic Information

Species:
Mouse

Purity:
>80 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:
>80 %, SDS-PAGE

Endotoxin Level:
<0.1 EU/ μ g protein, LAL method

Source:
CHO-derived Mouse IL-15 protein Asn49-Ser162 (Accession# P48346) with a rabbit IgG Fc tag at the C-terminus.

GeneID:
16168

Accession:
P48346

Predicted Molecular Mass:
39.5 kDa

SDS-PAGE:
45-60 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μ m 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-15 is a 4- α -helix bundle cytokine playing a pivotal role in stimulation of both innate and adaptive immune cells. It is produced primarily by keratinocytes, skeletal muscle cells, monocytes, and CD4+ T cells. It is a member of the common gamma chain family. The members of the common gamma chain family include the IL-2, IL-4, IL-7, IL-9, and IL-21 and require binding to the common gamma chain receptor for activation. It can be used in growth and maintenance of T and NK cells. It is also shown to be used in proliferation and functional effect of T cells for adoptive cell therapy.

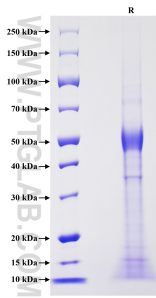
References

1. Wu, Jennifer. Journal of molecular and genetic medicine : an international journal of biomedical research vol. 7 |
2. Pilipow, Karolina et al. Cancer research vol. 75,24 (2015): 5187-5193.
3. Hurton, Lenka V et al. Proceedings of the National Academy of Sciences of the United States of America vol. 113,
4. Zhou, Jianxia et al. Protein & cell vol. 10,10 (2019): 764-769.

Synonyms

AI503618, IL15, interleukin 15

Selected Validation Data



Purity of Recombinant Mouse IL-15 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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