

Recombinant Rat IL-12B protein (rFc Tag)

Catalog Number: Eg3818

Basic Information

Species:
Rat**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 Rat IL-12B protein Met23-Ser335 (Accession# E9PU71) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

64546

Accession:

E9PU71

Predicted Molecular Mass:

62.1 kDa

SDS-PAGE:

62-72 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

Interleukin-12B (IL-12B), also known as the natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, or p40, is a protein that plays a crucial role in the immune system. It is one of the subunits of the IL-12 cytokine, which is a heterodimeric protein composed of two subunits: IL-12A (p35) and IL-12B (p40). IL-12B is shared with IL-23, another cytokine, forming part of its structure. IL-12B is involved in stimulating the production of interferon-gamma (IFN-γ) by T cells and NK cells, which is critical for cell-mediated immune responses against intracellular pathogens.

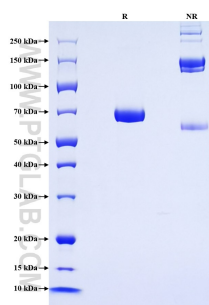
References

- 1.Sun L, et al. (2015) Cytokine. 75(2):249-55.
- 2.Watford WT, et al. (2003) Cytokine Growth Factor Rev. 14(5):361-8.
- 3.Ma X, et al. (2015) F1000Res. 4:F1000 Faculty Rev-1465.

Synonyms

IL 12 P40, IL 12B, IL-12 p40, IL-12 subunit p40, IL-12/IL-23 p40

Selected Validation Data



Purity of Recombinant Rat IL-12B 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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