

For Research Use Only

Recombinant Rat IL-12B protein (rFc Tag)



Catalog Number: Eg3818

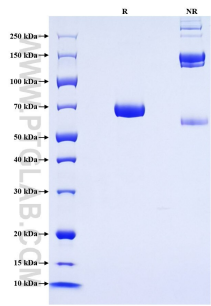
Basic Information	Species: Rat	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Rat IL-12B protein Met23-Ser335 (Accession# E9PU71) with a rabbit IgG Fc tag at the C-terminus. GeneID: 64546 Accession: 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		

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

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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.