

For Research Use Only

Recombinant Human IL13 protein (Myc Tag, His Tag)



Catalog Number: Eg0061

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: Myc Tag, His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <1.0 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human IL13 protein Gly21-Asn132 (Accession#AAK53823) with a Myc tag and a His tag at the C-terminus.</p> <p>GeneID: 3596</p> <p>Accession: AAK53823</p> <p>Predicted Molecular Mass: 17.9 kDa</p> <p>SDS-PAGE:</p> <p>Formulation: Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Interleukin 13 (IL-13) is an immunoregulatory cytokine produced primarily by activated Th2 cells. This cytokine is involved in several stages of B-cell maturation and differentiation. IL-13 up-regulates CD23 and MHC class II expression, and promotes IgE isotype switching of B cells. IL-13 inhibits the production of a series of cytokines like IL-1, IL-6, TNF-alpha, and IL-8 by activated human monocytes. IL-13 induces IFN-gamma production by NK cells. IL-13 is thought to be important cytokine in the pathogenesis of asthma, and more recently has been shown to play a pivotal role in a number of fibrotic diseases including hepatic and pulmonary fibrosis, and nodular sclerosing Hodgkin's disease.</p>		
References	<ol style="list-style-type: none">1.Wynn, Thomas A et al. Annual review of immunology vol. 21, (2003): 425-56.2.Izuhara, K et al. Current medicinal chemistry vol. 13,19 (2006): 2291-8.3.Ma, Qin et al. Allergologia et immunopathologia vol. 50,6 (2022): 22-31.4.O'Reilly, Steven et al. BioFactors (Oxford, England) vol. 39,6 (2013): 593-6.		
Synonyms	IL-13, IL 13, interleukin 13, Interleukin-13, NC30		

Selected Validation Data

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

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