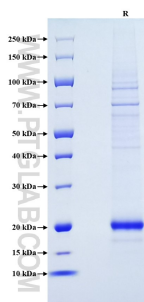


Recombinant Mouse IL-10 protein (His Tag)

Catalog Number: Eg0026

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse IL-10 protein Ser19-Ser178 (Accession# P18893) with a His tag at the N-terminus.</p> <p>GeneID: 16153</p> <p>Accession: P18893</p> <p>Predicted Molecular Mass: 19.6 kDa</p> <p>SDS-PAGE: 19-21 kDa, reducing (R) conditions</p> <p>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.</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-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.</p>		
References	<ol style="list-style-type: none"> 1. J M Kim, et al. (1992). J Immunol. 148:3618-3623. 2. Rennick, D.M, et al. (1997). J Leukoc Biol. 61:389-396. 3. Scott C, et al. (2008). J ALLERGY CLIN IMMUN. 121:1108-1111. 4. Saraiva, M, et al. (2010). Nat Rev Immunol. 10:170-181. 		
Synonyms	IL10, IL-10, IL-10, IL10, CSIF, IL 10		

Selected Validation Data



Purity of Recombinant Mouse IL-10 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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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