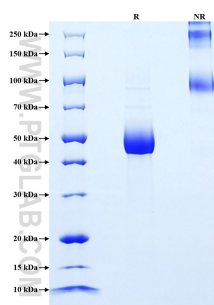


Recombinant Human IL-31 protein (rFc Tag)

Catalog Number: Eg2222

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human IL-31 protein Ser24-Thr164 (Accession# Q6EBC2) with a rabbit IgG Fc tag at the N-terminus.</p> <p>GeneID: 386653</p> <p>Accession: Q6EBC2</p> <p>Predicted Molecular Mass: 43.0 kDa</p> <p>SDS-PAGE: 42-55 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-31 (IL-31) is a newly discovered four-helix bundle cytokine and expressed by several types of cells under both normal and disease state, such as activated CD4⁺T cells, mast cells, monocytes, macrophages, immature and mature monocyte-derived dendritic cells and so on. IL-31 signals through a heterodimeric receptor complex consisting of the IL31 receptor alpha (IL31Rα) and the oncostatin M receptor (OSMR). IL-31 plays a predominant function in the mediation of inflammatory and lymphoma-associated itch. Increased IL-31 expression has been detected in inflamed tissues from patients with atopic dermatitis, bowel diseases, allergic asthma and rhinitis.</p>		
References	<ol style="list-style-type: none">1. Zhang Q. et al. (2008) Cytokine Growth Factor Rev. 19:347-56.2. Dillon SR. et al.(2004) Nat Immunol. 5:752-60.3. Sonkoly E. et al. (2006) J Allergy Clin Immunol. 117: 411-417.4. Bilsborough J. et al. (2006) J Allergy Clin Immunol. 117: 418-425.5. Raap U.et al. (2008) J Allergy Clin Immunol. 122: 421-423.		
Synonyms	IL31, IL 31, IL-31, interleukin 31, Interleukin-31		

Selected Validation Data



Purity of Recombinant Human IL-31 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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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