

For Research Use Only

Recombinant Mouse IL-27 p28/IL-30 protein (rFc Tag)

Catalog Number: Eg5066



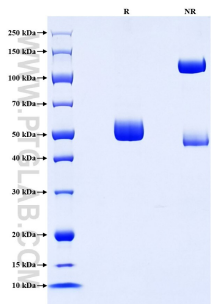
Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Mouse IL-27 p28 protein Phe29-Ser234 (Accession# Q8K3I6) with a rabbit IgG Fc tag at the C-terminus. GeneID: 246779 Accession: Q8K3I6 Predicted Molecular Mass: 49.8 kDa SDS-PAGE: 47-60 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	IL-27, as a member of the IL-6/IL-12 family, is a heterodimeric cytokine composed of two subunits: p28 (IL-27a) and EBI3 (IL-27b). IL-27 acts on various cell types, including T cells, B cells, macrophages, dendritic cells, natural killer (NK) cells and non-hematopoietic cells. IL-27 plays a critical role in the early regulation of T helper type 1 initiation, and enhances proliferation of naive CD4+ T cells and naive B cells. It, however, also exerts anti-inflammatory functions by inhibiting the development of Th17 cells and inducing IL-10 producing type 1 regulatory T cells.		
References	1. Hall AO, et al. (2012). Adv Immunol. 115:1-44. 2. Owaki T, et al. (2005). J Immunol. 175:2191-200. 3. Larousserie F, et al. (2006). J Immunol. 176:5890-7. 4. Batten M, et al. (2006). Nat Immunol. 7:929-36.		
Synonyms	IL-27 p28/IL-30, IL27, IL-27 p28, IL-27 subunit alpha, IL27a		

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

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Selected Validation Data



Purity of Recombinant Mouse IL-27 p28 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.