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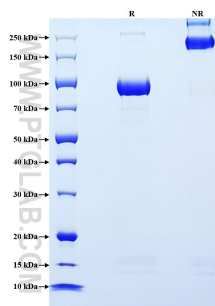
Recombinant Human IL-12 protein (hFc Tag)



Catalog Number: Eg0606

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: hFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Human IL-12B Ile23-Ser328 (Accession# P29460) +linker+IL-12A Arg23-Ser219 (Accession# P29459) with a human IgG1 Fc tag at the C-terminus. GeneID: 3593 (IL-12B), 3593 (IL-12A) Accession: P29460 (IL-12B), P29459 (IL-12A) Predicted Molecular Mass: 85.3 kDa SDS-PAGE: 85-100 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-12 (IL-12) is a heterodimeric pro-inflammatory cytokine that induces the production of interferon-gamma (IFN-gamma), favours the differentiation of T helper 1 (T(H)1) cells and forms a link between innate resistance and adaptive immunity. It consists of two subunits, p35 and p40, which are encoded by IL12A and IL12B, respectively. Furthermore, IL-12 binds to the IL-12 receptor, which is a heterodimeric receptor formed by the IL-12R-β1 and IL-12R-β2 subunits.		
References	1.Trinchieri, Giorgio. (2003) Nat Rev Immunol.3(2):133-146. 2.Picard, Capucine et al. (2002) Am J Hum Genet.70(2):336-348. 3.Lin, Eugene et al. (2019) Front Neurol.10:1065.		
Synonyms			
For technical support and original validation data for this product please contact			
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)		E: proteintech@ptglab.com W: ptglab.com	
		This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.	

Selected Validation Data



Purity of Recombinant Human IL-12 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.