For Research Use Only Recombinant Human IL-12/IL-23 p40 protein (His Tag)



Catalog Number: Eg0431

Basic Information	<mark>Species:</mark> Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	Purity: >90 %, SDS-PAGE		
	<mark>Endotoxin Level:</mark> <0.1 EU/ μ g protein, LAL method		
	Source: HEK293-derived Human IL-12/IL-23 p40 protein Ile23-Ser328 (Accession# P29460) with a His tag at the C- terminus.		
	GenelD: 3593		
	Accession: P29460		
	Predicted Molecular N 38.5 kDa	Aass:	
	SDS-PAGE: 40-48 kDa, reducing (I	R) conditions	
	Formulation: Lyophilized from 0.22 protectants before ly	۳ m filtered solution in PBS, pH 7.4. Normally ophilization.	y 5% trehalose and 5% mannitol are added as
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended th	at the protein be aliquoted for optimal stora	ge. Avoid repeated freeze-thaw cycles.
	 Until expiry c 3 months, -20 	late, -20 $^\circ$ to -80 $^\circ$ as lyophilized proteins. D $^\circ$ to -80 $^\circ$ under sterile conditions after re-	constitution.
	Shipping: The product is shippe temperature.	d at ambient temperature. Upon receipt, stor	e it immediately at the recommended
Reconstitution	Briefly centrifuge the	tube before opening. Reconstitute at 0.1-0.5	5 mg/mL in sterile water.
Background	Interleukin-12 (IL-12) induces interferon-γ composed of a 35 kDa of antigen presenting found to be importan protection to an intra system of patients wi disease. The promote atopic and non-atopic	, is a cytokine that is secreted by activated ph production by natural-killer and T lymphocyt i subunit (IL-12A p35) and a 40 kDa subunit (IL cells (APCs), including phagocytes, B cells an t for sustaining a sufficient number of memo cellular pathogen. Overexpression of IL-12 p th multiple sclerosis (MS), suggesting a role c r polymorphism of IL-12 p40 has been report asthma in children.	agocytes and dendritic cells and that es. IL-12 is a 75 kDa heterodimer -12B p40) that is secreted by a wide variety d Langerhans cells. IL-12 p40 has been ry/effector Th1 cells to mediate long-term 40 was observed in the central nervous of this cytokine in the pathogenesis of the ed to be associated with the severity of
References	1. Cooper AM. et al. (20 2. Wang SZ. et al. (200 3. Bielekova B. et al. (2 4. Xu J. et al. (2016). Ce	007). Trends Immunol. 28:33-8. 4). J Immunol. 173:4040-9. 012). PLoS One. 7:e48370. Il Death Differ. 23:1941-1951.	

Synonyms

IL-12/IL-23 p40, IL12B, CLMF p40, Cytotoxic lymphocyte maturation factor 40 kDa subunit, IL 12 P40

Selected Validation Data



Purity of Recombinant Human IL-12/IL-23 p40 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue..