## For Research Use Only Recombinant Mouse IL-12 protein (His Tag)



www.ptgcn.com

## Catalog Number: Eg0742

Basic Information	<b>Species:</b> Mouse	Purity: >95 %, SDS-PAGE	Tag: His Tag
	EC50: 1-5 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ µ g protein, LAL method	1	
	Source: HEK293-derived Mouse IL-12 protein Met23-Ser335 (Mouse IL-12B Accession# P43432)+linker+Arg23-Ala215 (Mouse IL-12A Accession# P43431) with His tag at the C-terminus.		
	<mark>GenelD:</mark> 16160(IL-12B)		
	Accession: P43432(IL-12B)&P43431(IL-12	A)	
	Predicted Molecular Mass: 59.2 kDa		
	SDS-PAGE: 60-75 kDa, reducing (R) conditio	ns	
	Formulation: Lyophilized from 0.22 µm filter protectants before lyophilizatio	ed solution in PBS, pH 7.4. Normall on.	y 5% trehalose and 5% mannitol are added as
<b>Biological Activity</b>	Measured by its ability to induce IFN-gamma secretion in human natural killer lymphoma NK-92 cells. The ED50 for this effect is 1-5 ng/mL.		
Storage and Shipping	Storage: It is recommended that the prot	ein be aliquoted for optimal stora	ge. Avoid repeated freeze-thaw cycles.
	<ul> <li>Until expiry date, -20℃</li> <li>3 months, -20℃ to -80°</li> </ul>	to -80 $^\circ\!\mathrm{C}$ as lyophilized proteins. $\mathrm{C}$ under sterile conditions after re	constitution.
	Shipping: The product is shipped at ambie temperature.	nt temperature. Upon receipt, stor	re it immediately at the recommended
Reconstitution	Briefly centrifuge the tube befo	ore opening. Reconstitute at 0.1-0.	5 mg/mL in sterile water.
Background	increasing activation and cytoto	dimeric cytokine that is capable of 35 kDa $\alpha$ -chain subunit (p19 or p3 er IL-12 family, which also includes kine produced by monocytes, mac 2R) are made up of IL-12R $\beta$ 1 and 1 marily JAK2 and TYK2, which can th- have multiple functions, including xic capacities of T and NK cells, anc also induces the production of lar	l inhibiting or reprogramming
References	2. Vignali DA and Kuchroo VK. (20	Harb Perspect Biol. 10(7):a028530	
Synonyms	IL12(IL12B+IL12A), IL-12, IL-12 p	40/IL-12 p35, IL-12 p70, IL-12B/IL-	12A

## Selected Validation Data



Purity of Recombinant Mouse 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. Measured by its ability to induce IFN-gamma secretion in human natural killer lymphoma NK-92 cells. The ED50 for this effect is 1-5 ng/mL

0.1

100

For technical support and original validation data for this product please contact T: 027-87531629 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.