


Human IL-24 protein, His Tag

Cat #: PRP100299

Size: 50µg/1mg

Product Information

	Product Name: Human IL-24 protein, His Tag		
REF	Catalog Number: PRP100299	LOT	Lot Number: Refer to product label
	Purity: > 94 % as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: Human Cells
	Shipping: The product is shipped at ambient temperature.		

Background: Interleukin-24 (IL-24) also known as Melanoma differentiation-associated gene 7 protein (MDA-7) is a member of the IL10 family of cytokines. IL-24/MDA-7/IL24 can induce apoptosis selectively in various cancer cells. Overexpression of IL-24 leads to elevated expression of several GADD family genes, which correlates with the induction of apoptosis. The phosphorylation of mitogen-activated protein kinase 14 (MAPK7/P38), and heat shock 27kDa protein 1 (HSPB2/HSP27) are found to be induced by this gene in melanoma cells, but not in normal immortal melanocytes. Human IL-24/MDA-7/IL24 is secreted by activated peripheral blood mononuclear cells and is the ligand for two heterodimeric receptors, IL-22R1/IL-20R2 and IL-20R1/IL-20R2. Northern blot analysis revealed IL-24/MDA-7/IL24 expression in human tissues associated with the immune system such as spleen, thymus, peripheral blood leukocytes and normal melanocytes. IL-24/MDA-7/IL24 binding to either its endogenous receptors on human keratinocytes or to ectopically expressed receptors on baby hamster kidney cells leads to activation of the signal transducers and activators of transcription.

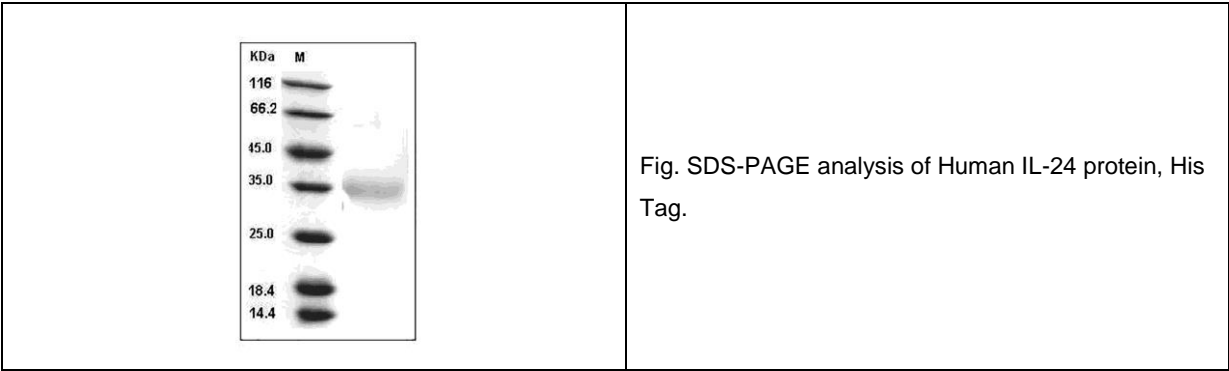
Sequence: Amino acid sequence derived from human IL24 isoform 3 (NP_001172085.1) (Met 1-Leu 207) was fused with a polyhistidine tag at the C-terminus.

Protein length: The secreted recombinant human IL24 consists of 166 amino acids and has a predicted molecular mass of 19.5 kDa. As a result of different glycosylation, the apparent molecular mass of rhIL24 is approximately 35 kDa in SDS-PAGE under reducing conditions.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized Human IL24 protein, His Tag product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human IL24 protein, His Tag in sterile ddH₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.