

Recombinant Human IL24 Protein (Gln52-Leu260), His tagged

Cat. No. IL24-2876H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IL24 (Gln52-Leu260) protein fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln52-Leu260
Description	Interleukin-24 (IL-24) also known as Melanoma differentiation-associated gene 7 protein (MDA-7) is a member of the IL1 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-2R2 and IL-2R1/IL-2R2. 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.

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Molecular Mass	19.92 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	IL24 interleukin 24 [Homo sapiens (human)]
Official Symbol	IL24
Synonyms	IL24; interleukin 24; ST16; interleukin-24; C49A; FISP; IL 4 induced secreted protein; IL 24; IL10B; mda 7; melanoma differentiation association protein 7; Mob 5; suppression of tumorigenicity 16 (melanoma differentiation); melanocyte-associated Mda-7; IL-4-induced secreted protein; melanoma differentiation-associated gene 7 protein; MDA7; MOB5;
Gene ID	11009

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mRNA Refseq	NM_001185156
Protein Refseq	NP_001172085
MIM	604136
UniProt ID	Q13007

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