

Active Recombinant Mouse Il24 Protein, His-Tagged

Cat. No. IL24-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Il24 Protein, His-tagged was expressed in E. coli cell
Species	Mouse
Source	E.coli
Description	Interleukin-24 (IL-24) is a cytokine belonging to the IL-10 family of cytokines that signals through two heterodimeric receptors: IL-20R1/IL-20R2 and IL-22R1/IL-20R2. This interleukin is also known as melanoma differentiation-associated 7 (mda-7) due to its discovery as a tumour suppressing protein. IL-24 appears to control in cell survival and proliferation by inducing rapid activation of particular transcription factors called STAT1 and STAT3. This cytokine is predominantly released by activated monocytes, macrophages and T helper 2 (Th2) cells and acts on non-haematopoietic tissues such as skin, lung and reproductive tissues. IL-24 performs important roles in wound healing, arthritis, psoriasis and cancer. Several studies have shown that cell death occurs in cancer cells/cell lines following exposure to IL-24. The gene for IL-24 is located on chromosome 1 in humans.
Form	Lyophilized powder
AA Sequence	MQEFRFGSCQVTGVVLPWLWEAFWTVKNTVQTQDDITSIRLLKPQVLRNVSGAESC YLAHSLKLFYLN TVFKNYHSKI AKFKVLR SFSTLANNF IVIMSQLQPSKD NSMLPISESAHQRFLLFRRAFKQLDTEVALVKAFGEVDILLTWMQK FYHL with polyhistidine tag at the C-terminus

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Endotoxin	<0.1 EU per 1 µg of the protein by the LAL method.
Bio-activity	Measure by its ability to induce proliferation in BaF3 cells transfected with human IL-20 R alpha and human IL-20 R beta. The ED50 for this effect is <0.3 ng/mL.
Purity	>95% as determined by SDS-PAGE. Ni-NTA chromatography
Storage Buffer	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Notes	Please use within one month after protein reconstitution.

GENE INFORMATION

Gene Name	Il24 interleukin 24 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il24
Synonyms	FISP; If2e; Mda7; St16; Mda-7
Gene ID	93672
mRNA Refseq	NM_053095.3
Protein Refseq	NP_444325.3

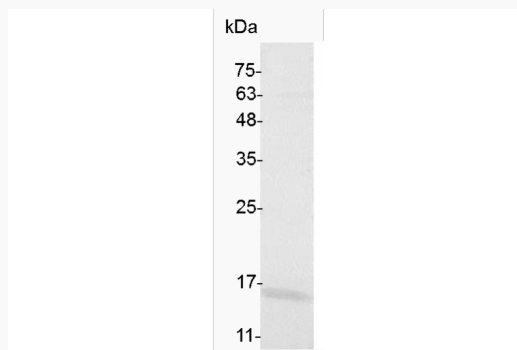
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UniProt ID

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