

## Active Recombinant Mouse Il24 Protein, His-Tagged

Cat. No. II24-01M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant mouse Il24 Protein, His-tagged was expressed in E. coli cell
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MQEFRFGSCQVTGVVLPPELWEAFWTVKNTVQTQDDITSIRLLKPQVLRNVSGAESC          YLAHSLKLFYLNTVFKNYHSKIAKFKVLRFSSTLANNF          IVIMSQLQPSKDNSMLPISESAHQRFLLFRRAFKQLDTEVALVKAFGEVDILLTWMQK          FYHL with polyhistidine tag at the C-terminus</p>

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<b>Endotoxin</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Bio-activity</b>	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.
<b>Purity</b>	>95% as determined by SDS-PAGE. Ni-NTA chromatography
<b>Storage Buffer</b>	The protein was lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Reconstitution</b>	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.
<b>Storage</b>	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
<b>Notes</b>	Please use within one month after protein reconstitution.

## GENE INFORMATION

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

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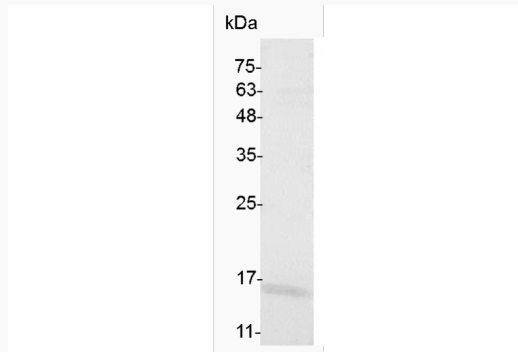
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UniProt ID

A0A087WQD7



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