

## Animal-Free IL-24 Protein, Mouse (His)

<b>Cat. No.:</b>	HY-P700200AF
<b>Synonyms:</b>	Interleukin-24; IL-4-induced secreted protein; Melanoma differentiation-associated gene 7 protein (MDA-7); Th2-specific cytokine FISP; IL24; Mda7
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Accession:</b>	A0A0R4J1N5 (Q27-L181)
<b>Gene ID:</b>	93672
<b>Molecular Weight:</b>	Approximately 18.94 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           M Q E F R F G S C Q    V T G V V L P E L W    E A F W T V K N T V    Q T Q D D I T S I R            L L K P Q V L R N V    S G A E S C Y L A H    S L L K F Y L N T V    F K N Y H S K I A K            F K V L R S F S T L    A N N F I V I M S Q    L Q P S K D N S M L    P I S E S A H Q R F            L L F R R A F K Q L    D T E V A L V K A F    G E V D I L L T W M    Q K F Y H L         </p>
<b>Biological 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 ED <sub>50</sub> for this effect is <0.3 ng/mL.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a solution containing 1X PBS, pH 7.4.
<b>Endotoxin Level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	IL-24, also known as Interleukin-24, is a crucial immune regulatory cytokine that plays a pivotal role in modulating immune responses. This protein is involved in regulating various aspects of the immune system, including inflammation and anti-tumor responses. IL-24 is known for its diverse functions, such as inducing apoptosis (programmed cell death) in cancer cells while sparing normal cells, making it a promising candidate for cancer therapy. Additionally, IL-24 has anti-inflammatory properties and contributes to the regulation of immune cell activities.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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