

IL-13R alpha 1 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78699
Synonyms:	IL13RA1; CD213A1; IL-13Ra; NR4; RP13-128O4.2; IL13Rα1
Species:	Mouse
Source:	HEK293
Accession:	NP_598751 (A26-T340)
Gene ID:	16164
Molecular Weight:	47-64 kDa

PROPERTIES

AA Sequence	<pre> A T E V Q P P V T N L S V S V E N L C T I I W T W S P P E G A S P N C T L R Y F S H F D D Q Q D K K I A P E T H R K E E L P L D E K I C L Q V G S Q C S A N E S E K P S P L V K K C I S P P E G D P E S A V T E L K C I W H N L S Y M K C S W L P G R N T S P D T H Y T L Y Y W Y S S L E K S R Q C E N I Y R E G Q H I A C S F K L T K V E P S F E H Q N V Q I M V K D N A G K I R P S C K I V S L T S Y V K P D P P H I K H L L L K N G A L L V Q W K N P Q N F R S R C L T Y E V E V N N T Q T D R H N I L E V E E D K C Q N S E S D R N M E G T S C F Q L P G V L A D A V Y T V R V R V K T N K L C F D D N K L W S D W S E A Q S I G K E Q N S T </pre>
Biological Activity	Measured by its ability to inhibit IL-13-dependent proliferation of TF-1 human erythroleukemic cells. The ED ₅₀ for this effect is 0.690 µg/mL in the presence of 4 ng/mL rmlL-13, corresponding to a specific activity is 1.449×10 ³ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized a 0.22 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	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.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The IL-13R alpha 1 protein is a transmembrane protein that forms a functional receptor for interleukin-13 when it complexes
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with interleukin 4 receptor alpha (IL4RA). This pathway is involved in mediating allergy response and is activated during bronchial asthma. The IL-13R alpha 1 protein exhibits ubiquitous expression, including in large intestine adult, colon adult, and 27 other tissues.

Caution: Product has not been fully validated for medical applications. For research use only.

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