

IL-9R Protein, Rat (HEK293, His)

Cat. No.:	HY-P76437
Synonyms:	Interleukin-9 receptor; IL-9R; CD129; IL9R
Species:	Rat
Source:	HEK293
Accession:	G3V8S1 (M1-A270)
Gene ID:	/
Molecular Weight:	Approximately 33-40 kDa due to the glycosylation.

PROPERTIES

AA Sequence	<p> M A L G R C F P E G C T V E G A A V K Q V S W F L I Y S C V C S C V C W G V S V P A Q E G G R K A G T F T C F S N S V F R I D C H W S A P E P G S R A W L L F T S N Q V T D I K H K C T F W D S R C T L V L P K E E A F L P F D N F T I T L H R C V M G Q E Q V S L V D S Q Y L P R R H I K L D P P S D L Q S N V S S G R C V L T W G I S F G L E P L I T S L S Y E L A F K R Q E E A W E Q A R L K D R I V G V T W L V L E A I E L N P D T I Y E A R L R V Q M A L E S Y D D K T E G E Y Y K S H W S E W S Q S V S F P S P R R K T Q G L L I P R W Q G S A </p>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Rat IL-9 is immobilized at 5 µg/mL (100 µL/well) can bind Recombinant Rat IL-9R. The ED ₅₀ for this effect is 77.69 ng/mL.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4, 8% trehalose.
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	Interleukin 9 receptor is a member of the hemopoietin receptor superfamily and interacts with the 7 chain of the IL-2 receptor for signaling. Interleukin 9 receptor enables interleukin-9 binding activity and interleukin-9 receptor activity.
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Interleukin 9 receptor is involved in positive regulation of cell growth and located in cell surface and plasma membrane^{[1][2]}.

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

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