

IL-21R Protein, Mouse (HEK293, His)

Cat. No.:	HY-P72560
Synonyms:	Interleukin-21 receptor; IL-21 receptor; IL-21R; CD360; Nilr
Species:	Mouse
Source:	HEK293
Accession:	Q9JHX3 (C20-P236)
Gene ID:	60504
Molecular Weight:	34-38 kDa

PROPERTIES

AA Sequence	<pre> CLDLTCTYTDY LWTITCVLET RSPNPSILSL TWQDEYEEELQ DQETFCSLHR SGHNTTHIWY TCHMRLSQFL SDEVFIVNVT DQSGNNSQEC GSFVLAESIK PAPP LNVTVA FSGRYDISWD SAYDEPSNYV LRGKLQYELQ YRNLRDPYAV RPVTKLISVD SRNVSLLPEE FHKDSSYQLQ VRAAPQPGTS FRGTWSEWSD PVI FQTQAGE PEAGWDP </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, 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	<p>IL-21R Protein functions as a receptor specifically designed for interleukin-21, forming a heterodimeric complex with the common gamma subunit. This receptor complex, crucial for transducing signals initiated by interleukin-21, enables cellular responses to this cytokine. The IL-21R heterodimeric structure facilitates its interaction with Janus kinase 1 (JAK1), playing a pivotal role in initiating downstream signaling events in response to interleukin-21 binding. The association of IL-21R with the common gamma subunit and its interaction with JAK1 collectively contribute to the transduction of interleukin-21-mediated signals, thus influencing various cellular processes and immune responses.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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