



# Certificate of Analysis

## IL-11R alpha Protein, Rat (HEK293, His)

Cat. No.:	HY-P77400
Batch No.:	340327
Species:	Rat
Source:	HEK293
Tag:	C-6*His
Accession:	Q99MF4 /NP_620816.1(T24-Q366)
Gene ID:	245983
Molecular Weight:	Approximately 43-50 kDa due to the glycosylation

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	98.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Rat IL-11R alpha is coated at 2 μg/mL can bind Recombinant Human IL-11. The ED <sub>50</sub> for this effect is 0.7710 nM.	0.7710 nM
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O.	
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.	

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

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