



# Certificate of Analysis

## IL-18R alpha Protein, Rat (HEK293, His)

Cat. No.:	HY-P76424
Batch No.:	342043
Species:	Rat
Source:	HEK293
Tag:	C-6*His
Accession:	A0A8I6A1C2 (A18-G326)
Gene ID:	301365
Molecular Weight:	Approximately 55-75 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	≥98.0%
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-18R alpha Protein is immobilized at 2 μg/mL (100 μL/well) can bind Biotinylated Recombinant Mouse IL-18 Protein. The ED <sub>50</sub> for this effect is 1.3 μg/mL.	1.3 μg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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.	

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

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