



# Certificate of Analysis

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

Cat. No.:	HY-P76993
Batch No.:	358209
Species:	Canine
Source:	HEK293
Tag:	C-6*His
Accession:	XP_854199 (L19-R327)
Gene ID:	611438
Molecular Weight:	Approximately 60-75 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 Canine 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 0.3954 μg/mL.	0.3954 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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