



# Certificate of Analysis

## IL-1RAcP/IL-1 R3 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P77412
Batch No.:	341932
Species:	Cynomolgus
Source:	HEK293
Tag:	C-His
Accession:	P59822/NP_001028132.1 (S21-E359)
Gene ID:	574387
Molecular Weight:	Approximately 55-70 kDa due to the glycosylation

### 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 ability to inhibit IL-1 alpha -induced IL-8 secretion in HepG2 human hepatocellular carcinoma cells. The ED <sub>50</sub> for this effect is 1.163 μg/mL in the presence of 1 μg/mL of recombinant human IL-1 R2 and 50 pg/mL rhIL-1 alpha, corresponding to a specific activity is 619.963 U/mg.	1.163 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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