



# Certificate of Analysis

## IL-1RA/IL-1RN Protein, Rat (HEK293, Fc)

Cat. No.:	HY-P73187
Batch No.:	277464
Species:	Rat
Source:	HEK293
Tag:	N-hFc
Accession:	P25086 (H27-Q178)
Gene ID:	60582
Molecular Weight:	Approximately 41.81 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 85% as determined by reducing SDS-PAGE	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to inhibit IL-1 alpha -dependent proliferation in CTLL-2 mouse cytotoxic T cells. The $ED_{50}$ for this effect is 99.07 ng/mL in the presence of 50 pg/mL of IL-1 alpha, corresponding to a specific activity is $1.009 \times 10^4$ units/mg.	PASS
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. 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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