



Certificate of Analysis

IL-1R1 Protein, Human (315a.a, HEK293, His)

Cat. No.:	HY-P72569
Batch No.:	277465
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P14778/NP_000868.1 (L18-T332)
Gene ID:	3554
Molecular Weight:	45-62 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% 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 beta -dependent proliferation in CTLL-2 cells. Under the action of 30 pg/mL recombinant human IL-1β. The ED ₅₀ for this effect is 1.286 μg/mL, corresponding to a specific activity is 7.776×10 ² units/mg.	PASS
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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. 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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