



Certificate of Analysis

IL-1RN Protein, Horse (His)

Cat. No.:	HY-P71876A
Batch No.:	242250
Species:	Equine
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	O18999 (H26-Q177)
Gene ID:	100034236
Molecular Weight:	Approximately 18 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.80%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using CTLL-2 mouse cytotoxic T cells in the presence of 50 pg/mL of rhIL-1 alpha. The ED ₅₀ for this effect is 3.666 μg/mL, corresponding to a specific activity is 272.78 units/mg.	3.666 μg/mL
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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