



Certificate of Analysis

Animal-Free IL-1 alpha Protein, Mouse (His)

Cat. No.:	HY-P700186AF
Batch No.:	268776
Species:	Mouse
Source:	E. coli
Tag:	C-His
Accession:	P01582 (S115-S270)
Gene ID:	16175
Molecular Weight:	Approximately 18.93 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.	<0.1 EU/µg
Biological Activity	Measure by its ability to induce D10.G4.1 cells proliferation. The ED ₅₀ for this effect is <5 pg/mL. The specific activity of recombinant mouse IL-1 alpha is > 2 x 10 ⁸ IU/mg.	<5 pg/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.	
Storage & Stability	Stored at -20°C. 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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