



# Certificate of Analysis

## Arginase-1/ARG1 Protein, Human (N-His)

Cat. No.:	HY-P7541A
Batch No.:	160178
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	P05089 (M1-K322)
Gene ID:	383
Molecular Weight:	Approximately 40 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	92.40%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in the production of urea during the hydrolysis of arginine. The specific activity is 129570.707 pmol/min/μg.	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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