



# Certificate of Analysis

## Alpha-2-macroglobulin Protein, Human (sf9, His)

Cat. No.: HY-P72823  
 Batch No.: 282007  
 Species: Human  
 Source: Sf9 insect cells  
 Tag: C-His  
 Accession: NP\_000005.2 (S24-A1474)  
 Gene ID: 2  
 Molecular Weight: 160-170 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 85% as determined by reducing SDS-PAGE	≥85.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to trap trypsin. The trapped trypsin is no longer able to interact with protein substrates or inhibitors, but still able to cleave small peptide substrates or inhibitors. The IC <sub>50</sub> value is <5 nM.	PASS
Appearance	Solution	
Concentration	0.45 mg/mL	
Reconstitution	N/A	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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