



# Certificate of Analysis

## HMGB1/HMG-1 Protein, Human (102a.a, His)

Cat. No.:	HY-P73103
Batch No.:	283907
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-His;N-6*His
Accession:	P09429 (K57-D158)
Gene ID:	3146
Molecular Weight:	Approximately 15 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 induce TNF-α secretion by RAW 264.7 mouse monocyte/macrophage cells. The ED <sub>50</sub> for this effect is 0.3708 μg/mL, corresponding to a specific activity is 2.7×10 <sup>3</sup> U/mg.	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. 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA