



# Certificate of Analysis

## S100A9 Protein, Human (His)

Cat. No.:	HY-P70532A
Batch No.:	222023
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	P06702 (T2-P114)
Gene ID:	6280
Molecular Weight:	Approximately 15 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	95.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce CXCL1/KC secretion by C3H10T1/2 mouse embryonic fibroblast cells. The ED <sub>50</sub> for this effect is 4.506 μg/mL, corresponding to a specific activity is 221.93 units/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.	
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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