



# Certificate of Analysis

## S100A9 Protein, Mouse (His)

Cat. No.:	HY-P74583
Batch No.:	213114
Species:	Mouse
Source:	<i>E. coli</i>
Tag:	N-His
Accession:	P31725 (A2-K113)
Gene ID:	20202
Molecular Weight:	16-20 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 CXCL1/KC secretion by C3H10T1/2 mouse embryonic fibroblast cells. The ED <sub>50</sub> for this effect is 0.4264-0.8299 μg/mL, corresponding to a specific activity is $1.20 \times 10^3$ - $2.345 \times 10^3$ units/mg.	0.4264 μg/mL
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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