



# Certificate of Analysis

## S100B Protein, Human (HEK293, Fc)

Cat. No.:	HY-P73391
Batch No.:	280720
Species:	Human
Source:	HEK293
Tag:	N-hFc
Accession:	NP_006263.1 (S2-E92)
Gene ID:	6285
Molecular Weight:	Approximately 40 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	95.96%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized recombinant human S100B at 10 μg/mL (100 μl/well) can bind biotinylated human S100A1. The ED <sub>50</sub> for this effect is 153.8 ng/mL.	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.**

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