



# Certificate of Analysis

## Decorin/PGS2 Protein, Human (HEK293, His)

Cat. No.:	HY-P7885
Batch No.:	365518
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P07585-1 (G17-K359)
Gene ID:	1634
Molecular Weight:	approximately 45-55 kDa due to the glycosylation.

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cell proliferation assay using A549 mouse fibroblast cells. The ED <sub>50</sub> for this effect is ≤0.295 μg/mL, corresponding to a specific activity is ≥3.390×10 <sup>3</sup> U/mg.	0.2031 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. 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 (with carrier protein). 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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