



# Certificate of Analysis

## TIMP-1 Protein, Rat (HEK293)

Cat. No.:	HY-P73441
Batch No.:	243635
Species:	Rat
Source:	HEK293
Tag:	Tag Free
Accession:	P01860 (A1-A217)
Gene ID:	3502
Molecular Weight:	Approximately 28 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 inhibit human MMP2 cleavage of a fluorogenic peptide substrate MCA-PLGLDPA-AR-NH <sub>2</sub> and the IC <sub>50</sub> value is approximately <4 nM.	1.2 nM
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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