



# Certificate of Analysis

## Stromelysin-1/MMP-3 Protein, Human

Cat. No.:	HY-P73297
Batch No.:	240136
Species:	Human
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P08254 (Y18-T272)
Gene ID:	4314
Molecular Weight:	Approximately 34 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	96.80%
Endotoxin Level	Less than 1 EU/μg as determined by LAL test.	PASS
Biological Activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nva-WR-K(Dnp)-NH <sub>2</sub> and the specific activity is >300 pmoles/min/μg. (Activation description: The proenzyme needs to be activated by Chymotrypsin for an activated form).	368 pmoles/min/μg
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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