



Certificate of Analysis

MMP-14 Protein, Human (His-SUMO)

Cat. No.:	HY-P700007
Batch No.:	258958
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-6*His;N-SUMO
Accession:	P50281 (Y112-V582)
Gene ID:	4323
Molecular Weight:	Approximately 69.9 kDa.

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	90.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to cleave a fluorogenic peptide substrate Mca-KPLGL-Dpa-AR-NH ₂ . The specific activity is 3373.72 pmol/min/μg, as measured under the described conditions.	PASS
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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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