



# Certificate of Analysis

## SLPI Protein, Human (107a.a, sf9, His, solution)

Cat. No.:	HY-P73414A
Batch No.:	156218
Species:	Human
Source:	<i>Sf9 insect cells</i>
Tag:	N-6*His
Accession:	P03973 (S26-A132)
Gene ID:	6590
Molecular Weight:	Approximately 19 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 trypsin cleavage of a fluorogenic peptide substrate Mca-RPKPVE-Nval-WRK (Dnp)-NH <sub>2</sub> and the IC <sub>50</sub> value is <1 Nm.	0.2 nM
Appearance	Solution.	
Concentration	0.21 mg/mL	
Reconstitution	N/A.	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

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