



Certificate of Analysis

IdeS Protein, Streptococcus pyogenes (N-His)

Cat. No.:	HY-P74867A
Batch No.:	273637
Species:	Others
Source:	<i>E. coli</i>
Tag:	N-10*His
Accession:	F8V4V0 (D30-N341)
Gene ID:	/
Molecular Weight:	Approximately 34 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.	<1EU/μg
Biological Activity	Measured by its ability to cleave human IgG. The DC ₅₀ is 49.93 ng, as measured under the described conditions. The DC ₅₀ is defined as the amount of enzyme required to cleave 50% of 1 μg human IgG in 30 minutes at 37 °C. Use of Recombinant <i>S.pyogenes</i> IdeS in the cleavage of other IgGs may require alternative conditions for optimal performance.	49.93 ng
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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. 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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