



# Certificate of Analysis

## Enterokinase Protein, Bovine (P.pastoris, His)

Cat. No.:	HY-P7341
Batch No.:	405248
Species:	Bovine
Source:	<i>P. pastoris</i>
Tag:	C-His
Accession:	/
Gene ID:	/
Molecular Weight:	Approximately 40 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	100 IU/μg Unit Definition: One unit is defined as the amount of enzyme needed to cleave 50 μg of fusion protein in 16 hours to 95% completion at 22°C in a buffer containing 25mM Tris-HCl, pH 8.0.	100 IU/μg
Appearance	Lyophilized powder	
Reconstitution	Reconstitute at 1 mg/mL in sterile deionied water, then dilute in sterile EK Storage Buffer (20 mM Tris-HCl, pH 7.4, 200 mM NaCl, 2 mM CaCl <sub>2</sub> ).	
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 (with carrier protein). 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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