



# Certificate of Analysis

## PRSS3/Trypsin-3 Protein, Human (HEK293, His)

Cat. No.:	HY-P75985
Batch No.:	280735
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P35030-3 (V16-S247)
Gene ID:	5646
Molecular Weight:	Approximately 33 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 cleave a peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH <sub>2</sub> . Read at excitation and emission wavelengths of 320 nm and 405 nm. The specific activity is 3774.8148 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 <sub>2</sub> 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. 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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