



Certificate of Analysis

TMPRSS2 Protein, Human (P.pastoris, His)

Cat. No.:	HY-P72043
Batch No.:	269688
Species:	Human
Source:	<i>P. pastoris</i>
Tag:	N-6*His
Accession:	O15393 (W106-G492)
Gene ID:	7113
Molecular Weight:	Approximately 45 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.	<1 EU/μg
Biological Activity	1.Recombinant Human TMPRSS2 His tag protein enzyme activity is measured by its ability to cleave fluorogenic peptide substrate(Boc-Gln-Ala-Arg-AMC), The Km is 25 μM. 2.Measured by Camostat Mesylate inhibit ratio on TMPRSS2, which can cleave fluorogenic peptide substrate (Boc-Gln-Ala-Arg-AMC). The Camostat Mesylate inhibit EC ₅₀ is 0.03347-0.07945μM.	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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