

٦Г

Catalog Number: HZ-3010

Data Sheet

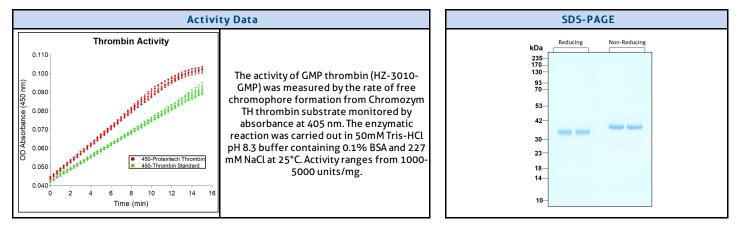


HumanKine® Thrombin (Coagulation Factor II)

(Recombinant Human)

Animal Componer	nt-Free	Human cell expressed	Tag-Free	Endotoxin Free			
Product Description							
Animal-free Recombinant Human Thrombin is expressed in human 293 cells as a monomeric glycoprotein with an apparent molecular mass of 36 kDa. Production in human 293 cells ensures authentic glycosylation. Thrombin is a coagulation protein and a serine protease that catalyzes numerous coagulation correlated reactions. Thrombin also regulates the behavior of additional cells through protease activated receptors and endorses platelet activation. This recombinant protein is produced in a human cell expression system with serum-free, chemically defined media.1							
Alternative Names	Coagulation factor II, F2, Prothrombin, PT, Thrombin						
Source	Human Embryonic Kidney cells (HEK293). HEK293-derived Thrombin (Coagulation Factor II) protein						

Specifications						
Test	Method	Specification				
Activity	Rate of free chromophore formation from Chromozym TH thrombin substrate monitored by absorbance at 405 nm	1000-5000 units/mg				
Molecular Mass	SDS-PAGE	34 kDa reduced, 36 kDa non-reduced, monomer, glycosylated				
Purity	SDS-PAGE	> 95%				
Endotoxin	LAL	<1 EU/µg				



www.ptglab.com

Document #: FR-QA118-101 Rev 0 Data Sheet Version #: 1 Proteintech Group, Inc. 5500 Pearl Street, Suite 400 Rosemont, IL 60612 t: 1-888-478-4522; f: 1-312-455-8408 Email: proteintech@ptglab.com

Preparation				
Shipping Temperature	ture Dry Ice			
Formulation	Formulation 20 mM MES pH 6.0 + 500 mM Choline Chloride, See Certificate of Analysis for details			
Reconstitution	Not Applicable. Product provided in liquid format.			

	Product Form	Temperature Conditions	Storage Time (From Date of Receipt)	
	Lyophilized	-20°C to -80°C	Until Expiry Date	
Stability and Storage	Lyophilized	Room Temperature	2 weeks	
	Reconstituted as per CofA	-20°C to -80°C	6 months	
	Reconstituted as per CofA	4°C	1 week	
	Avoid repeated freeze-thaw cycles.			

www.ptglab.com

Document #: FR-QA118-101 Rev 0 Data Sheet Version #: 1 Proteintech Group, Inc. 5500 Pearl Street, Suite 400 Rosemont, IL 60612 t: 1-888-478-4522; f: 1-312-455-8408 Email: proteintech@ptglab.com