

# Product Data Sheet



Product number **T056**  
Revision number **RN3.1**

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<b>Product Name</b>	Human alpha thrombin, highly active
<b>Synonym</b>	Coagulation factor IIa, $\alpha$ Thrombin
<b>Source</b>	(Pro)thrombin from tested human plasma
<b>Molecular Weight</b>	37 kDa
<b>Application</b>	Coagulation research, medical research, protein-structure, sequence analysis, and biochemical research.
<b>Purity</b>	> 95% (visually by SDS-PAGE)
<b>Specific activity</b>	>3,000 NIH units/mg
<b>Appearance</b>	White lyophilized solid.
<b>Reagents</b>	Lyophilized from 0.1 ml buffer containing 0.32 mg/ml protein. Buffer: 50 mM sodium citrate / 0.2 M NaCl / 0.1% PEG-8.000 pH 6.5.
<b>Storage</b>	Store at 4°C.  <b><i>Delivery at ambient temperature is possible</i></b>
<b>Reconstitution</b>	Add 0.1 ml of water. After reconstitution the solution should be stored at -20°C in working aliquots. Avoid repeated freezing and thawing.
<b>Related products</b>	T007 Coagulation factor XIII, purified from human plasma T027 Human blood coagulation Factor XIII, recombinant
<b>Release date</b>	02 December 2024
<b>NOTE</b>	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.