

## Batroxobin Recombinant

<b>Item Number</b>	rAP-4412
<b>Synonyms</b>	Thrombin-like enzyme batroxobin, EC 3.4.21.74, BX, Bothrops atrox serine proteinase, Venombin-A, Defibrase, Reptilase, Batroxobin.
<b>Description</b>	The Batroxobin Recombinant Protein, produced in yeast, is a single, glycosylated polypeptide chain containing 231 amino acids and having an Mw of approximately 28-33 kDa.
<b>Uniprot Accession Number</b>	P04971
<b>Amino Acid Sequence</b>	VIGGDECDIN EHPFLAFMYI SPRYFCGRTL INQEWLTAH HCNRRFMRIH LGKHAGSVAN YDEVVRYPK KE KFICPNKKKN VITDKDIMLI RLDKRVKNSH HIAPLSLPSN PPSVGSVCRI MGWGAIITSE DTYPDVPHCA NINLFNNTVC REAYNGLPAK TLCAGVLQGG IDTCGGDSSG PLICNGQFQG ILSWGSDPCA EPRKPAFYTK VFDYLPWIQS ILAGNKTATC P.
<b>Source</b>	Pichia Pastoris.
<b>Physical Appearance and Stability</b>	Sterile Filtered white lyophilized powder. Batroxobin although stable at room temperature for 3 weeks, should be stored below -18°C. Upon reconstitution; Batroxobin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
<b>Formulation and Purity</b>	The Batroxobin protein was lyophilized from a concentrated (1mg/ml) solution containing 20mM sodium acetate buffer, pH 7.4. Greater than 97.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to reconstitute the lyophilized Batroxobin in sterile 18M-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
<b>Biological Activity</b>	Batroxobin's biological activity was found to be of no less than 500KU/mg. (Klobusitzky Unit). One KU is defined as the amount of enzyme which coagulates standard human plasma incubated at 37°C in vitro within 60 ± 20 seconds.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**