

SVMP Protein, Bothrops leucurus, Recombinant (His & Myc)

General Information

Synonyms:	Snake venom metalloproteinase leucurolysin-A;Leuc-A;SVMP
Protein Construction:	1-202 aa
Species:	Bothrops leucurus
Expression Host:	E. coli
Accession:	P84907
Molecular Weight:	30.5 kDa (predicted)
AA Sequence:	QQFSPRYIELVVVADHGMFKKYNSLNLTIRKQVHEMLNTVNGFFRSMNVSDASLVNLEVWSSKDLIKVEKDS SKTLTSFGEWRRERDLLPRISHDHAQLLTVIFLDEETIGIAYTAGMCDLSQSVAVVMDHSSKNLRVAVTMAHEL GHNLMRHDGNQCHCNAPSCIMADTLKGLSFEFSDCSQNQYQTYLTKHNPQCILNKP

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Non-hemorrhagic metalloproteinase that hydrolyzes the alpha chains of fibrinogen, as well as fibrin, fibronectin and casein. Beta and gamma chains are also hydrolyzed, but more slowly. Thrombolytic activity is also observed. Induces detachment of endothelial cells followed by death, and inhibits endothelial cell adhesion to fibronectin. Induces edema in mouse paw. Inhibits ADP-induced platelet aggregation on human platelet-rich plasma with an IC(50) of 2.8 μM.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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