

Synonym

Serpin B9, CAP-3, PI-9, CAP3, Cytoplasmic antiproteinase 3, Peptidase inhibitor 9, SERPINB9, PI9

Source

Human Serpin B9, His Tag(SE9-H55H3) is expressed from Baculovirus-Insect cells. It contains AA Met 1 - Pro 376 (Accession # [P50453-1](#)).

Predicted N-terminus: Met

Molecular Characterization

Serpin B9(Met 1 - Pro 376) P50453-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 44.3 kDa. The protein migrates as 40-45 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

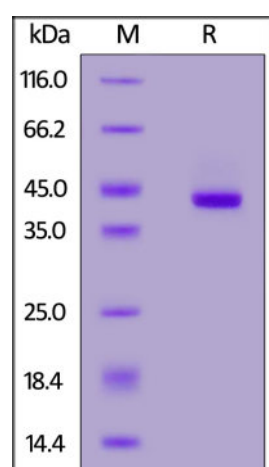
Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

Human Serpin B9, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Background

Serpin B9 is also known as Cytoplasmic antiproteinase 3 (CAP-3), Peptidase inhibitor 9 (PI-9), PI9 belongs to the large superfamily of serine proteinase inhibitors (serpins), which bind to and inactivate serine proteinases. These interactions are involved in many cellular processes, including coagulation, fibrinolysis, complement fixation, matrix remodeling, and apoptosis.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.