

Recombinant Mouse Sonic Hedgehog Protein (Shh)

Cat. No.: AP2C599

Product Type: Animal Proteins

Size: 10 µg; 50 µg; 500 µg; 1 mg

Product Overview

BioVenic's Recombinant Mouse Sonic Hedgehog Protein (Shh) is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 47.8 kDa. The purity is >90%.

Specifications

Type	Recombinant Protein
Species	Mouse
Expression System	<i>E.coli</i>
Purity	>90%
Endotoxin	< 1.0 EU/µg
Predicted Molecular Weight	47.8 kDa
Physical State	Lyophilized
Formulation	0.01 mol/L PBS (pH 7.2) containing 0.2% (w/v) Procline-300.

Target Information

Mouse Sonic Hedgehog Protein (Shh) is a regulatory signaling molecule in mice involved in cell proliferation, differentiation, and pattern formation. It plays crucial roles in embryonic development, tissue repair, and stem cell maintenance by activating the Hedgehog signaling pathway and regulating target gene expression. Changes in Shh expression and function are an important indicator of developmental abnormalities, tissue damage, and tumorigenesis.

Protein	Mouse Sonic Hedgehog Protein (Shh)
Protein Synonym	Shh unprocessed N-terminal signaling and C-terminal autoprocessing domains; HHG-1
Gene ID	20423
UniProt ID	Q62226

Shipping and Storage

This product is shipped with ice packs. Lyophilized protein can be stored at -20°C for 1 year. After reconstitution, the protein solution can be stored at 2-8°C for 2-7 days.

User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Aliquot the reconstituted solution to minimize freeze-thaw cycles.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.