



Product Data Sheet

Product Name:	Mouse Sonic Hedgehog (Shh)
Product Number:	AG-0017-200
Concentration:	___ mg/ml
Buffer:	Tris buffered saline, pH 7.4
Long Term Storage	-20°C
Shipping:	Ship on Blue Ice
Description:	The product is a recombinant amino-terminal fragment of mouse sonic hedgehog (N-Shh) fused to glutathione S-transferase (GST). The ~47.2 kDa fusion protein is composed of GST (GI: 595710) (~25 kDa) followed by a thrombin cleavage site (LVPRGS), a five-amino acid phosphorylation target site (RRASV), and amino acids 20-198 of mouse Shh. The fusion protein was produced in BL21 bacteria and isolated using glutathione affinity chromatography.
Background Information:	Sonic hedgehog (Shh) is a secreted signaling molecule. Post-translational modification (autocleavage) of the 45-kDa Shh polypeptide produces an ~19-kDa amino-terminal fragment (designated N-Shh or ShhN) (Porter et al., 1996). N-Shh is secreted and represents the biologically active form of the protein, capable of initiating signaling.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

MATERIAL SAFETY DATA: This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Material Safety Data Sheet.

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