

# Product datasheet for AR09447PU-N

## Sonic hedgehog (SHH) (25-198, His-tag) Mouse Protein

### **Product data:**

Product Type:	Recombinant Proteins
Description:	Sonic hedgehog (SHH) (25-198, His-tag) mouse recombinant protein, 0.1 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MCGPGRGFGK RRHPKKLTPL AYKQFIPNVA EKTLGASGRY EGKITRNSER FKELTPNYNP DIIFKDEENT GADRLMTQRC KDKLNALAIS VMNQWPGVKL RVTEGWDEDG HHSEESLHYE GRAVDITTSD RDRSKYGMLA RLAVEAGFDW VYYESKAHIH CSVKAENSVA AKSGG <u>LEHHH HHH</u>
Tag:	His-tag
Predicted MW:	20.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse SHH protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP 033196</u>
Locus ID:	20423
UniProt ID:	<u>Q62226</u>
Cytogenetics:	5 14.39 cM
Cytogenetics.	5 14.55 CM



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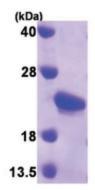
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	Sonic hedgehog (SHH) (25-198, His-tag) Mouse Protein – AR09447PU-N
Summary:	Sonic hedgehog protein: The C-terminal part of the sonic hedgehog protein precursor
	displays an autoproteolysis and a cholesterol transferase activity (PubMed:8824192,
	PubMed:7891723). Both activities result in the cleavage of the full-length protein into two
	parts (ShhN and ShhC) followed by the covalent attachment of a cholesterol moiety to the C-
	terminal of the newly generated ShhN (PubMed:8824192). Both activities occur in the

reticulum endoplasmic (PubMed:21357747). Once cleaved, ShhC is degraded in the

endoplasmic reticulum (PubMed:21357747).[UniProtKB/Swiss-Prot Function]

#### **Product images:**



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