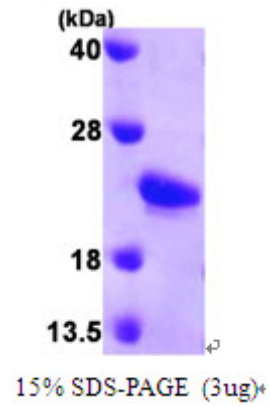


AR09447PU-L**Mouse Sonic hedgehog (SHH) (25-198, His-tag) - Purified**

Alternate names:	HHG-1, Sonic hedgehog protein
Quantity:	0.5 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	SHH is one of three proteins in the mammalian signaling pathway family called hedgehog, the others being desert hedgehog (DHH) and Indian hedgehog (IHH). This protein is the best studied ligand of the hedgehog signaling pathway. It plays a key role in regulating vertebrate organogenesis. SHH contains amino-terminal signal peptides and apparently function as secreted proteins involved in the mediation of various cell-cell interactions.
Uniprot ID:	Q62226
NCBI:	NP_033196
GeneID:	20423
Species:	Mouse
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS – PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT
Description:	Recombinant mouse SHH protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MCGPGRGFGK RRHPKKLTPL AYKQFIPNVA EKT LGASGRY EGKITRNSER FKELTPNYNP DIIFKDEENT GADRLMTQRC KDKLNALAIS VMNQWPGVKL RVTEGWDEDG HHSEESLHYE GRAVDITSD RDRSKYGMLA RLAVEAGFDW VYYESKAHIH CSVKAENSVA AKSGGLEHHH HHH Molecular weight: 20.8 kDa (183 aa)
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. Shelf life: one year from despatch.
General Readings:	Bak M., et al. (2004) Brain Res Mol Brain Res. 126(2):207-11. Dassule HR., et al. (2000) Development. 127(22):4775-85.

Pictures:



Recombinant mouse SHH, 25-198 aa, His-tagged: 15% SDS-PAGE (3 ug)

