Recombinant Human Sonic Hedgehog Homolog (Drosophila), His-tagged

Cat. No. SHH-2484H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SHH protein, fused to His-tag at C-terminus was expressed in*E.coli*and purified by using conventional chromatography techniques.MW = 20.7 kDa (183aa).
Species	Human
Source	E.coli
Description	SHH, also known as Sonic hedgehog protein, is one of three proteins in the mammalian signaling pathway family called hedgehog. It plays a key role in regulating vertebrate organogenesis, such as in the growth of digits on limbs and organization of the brain. It controls cell division of adult stem cells and has been implicated in development of some cancers.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl.
Purity	> 95% by SDS – PAGE.
Concentration	1.0 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MCGPGRGFGK RRHPKKLTPL AYKQFIPNVA EKTLGASGRY EGKISRNSER FKELTPNYNP DIIFKDEENT GADRLMTQRC KDKLNALAIS VMNQWPGVKL RVTEGWDEDG HHSEESLHYE GRAVDITTSD RDRSKYGMLA RLAVEAGFDW VYYESKAHIH CSVKAENSVA AKSGGLEHHH HHH.

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Storage	can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	SHH sonic hedgehog homolog (Drosophila) [Homo sapiens]
Synonyms	SHH; sonic hedgehog homolog (Drosophila); TPT; HHG1; HLP3; HPE3; SMMCI; TPTPS; MCOPCB5; sonic hedgehog (Drosophila) homolog; Sonic hedgehog protein; HHG-1; Sonic hedgehog protein N-product; Sonic hedgehog protein C-product
Gene ID	6469
mRNA Refseq	NM_000193
Protein Refseq	NP_000184
MIM	600725
UniProt ID	Q15465
Chromosome Location	7q36
Pathway	Basal cell carcinoma; Hedgehog signaling pathway; Pathways in cancer
Function	laminin-1 binding; patched binding; peptidase activity; protein binding

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