

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 <i>E.coli</i> 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 RRHPKLTPL AYKQFIPNVA EKT LGASGRY EGKISRNSER FKELTPNYNP DIIFKDEENT GADRLMTQRC KDKLNALAI VMNQWPGVKL RVTEGWDEEDG HHSEESLHYE GRAVDITTSD RDRSKYGMLA RLAVEAGFDW VYYESKAHIH CSVKAENSV 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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