

Sonic HedgeHog (C24II) Human Recombinant

Item Number	rAP-0442
Synonyms	Sonic Hedgehog, MCOPCB5, SMMCI, HLP3, HPE3, Sonic Hedgehog (Drosophila) Homolog, Sonic Hedgehog Homolog (Drosophila), Sonic Hedgehog Homolog, Sonic Hedgehog Protein, TPTPS, HHG-1, HHG1, TPT, SHH (C24II).
Description	SHH Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 176 amino acids (24-197 a.a.) and having a molecular mass of 19.8kDa (The Cys at position 24 has been replaced with 2 Ile).The SHH is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q15465
Amino Acid Sequence	MIIGPGRGFG KRRHPKLLTP LAYKQFIPNV AEKTLGASGR YEGKISRNS RFKELTPNYN PDIIFKDEEN TGADRLMTQR CKDKLNALAI SVMNQWPGVK LRVTEGWDED GHHSEESLHY EGRAVDITTS DRDRSKYGML ARLAVEAGFD WVYYESKAHI HCSVKAENSV AAKSGG
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The SHH protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4). Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**