

Product information

SHH(C24II), 24-197aa

Human, Recombinant, *E.coli*

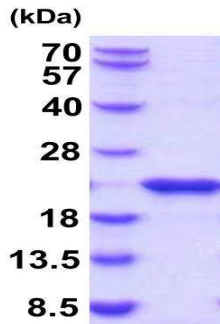
Cat. No. IBATGP3037

Full name: Sonic hedgehog protein

NCBI Accession No.: NP_000184

Synonyms: HHG1, HLP3, HPE3, MCOPCB5, SMMCI, TPT, TPTPS

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. Recombinant human SHH was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In Phosphate buffered saline (pH7.4)</p> <p>Molecular Weight: 19.8kDa (176aa) confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1mg/ml (determined by Bradford assay)</p> <p>Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)</p>	 <p>(kDa)</p> <p>70</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>8.5</p> <p>15% SDS-PAGE (3µg)</p>
<p>Sequences of amino acids:</p> <p>MIIGPGRGFG KRRHPKKLTP LAYKQFIPNV AEKTLGASGR YEGKISRNSE RFKELTPNYN PDIIFKDEEN TGADRLMTQR CKDKLNALAI SVMNQWPGVK LRVTEGWDED GHHSEESLHY EGRAVDITTS DRDRSKYGM LARLAVEAGFD WVYYESKAHI HCSVKAENSV AAKSGG</p>	

General references:

Richieri-Costa A., *et al.* (2006) *Am. J. Med. Genet. A* 140:2587-2593.

El-Jaick K.B., *et al* (2005) *Am. J. Med. Genet. A* 136:345-345.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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