

SHH(C24II), 24-197aa, Human, E.coli

Cat.NO.: TP03932

3th Edition

Synonyms:Sonic hedgehog protein, 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.

Form:Liquid. In Phosphate buffered saline (pH7.4)

Molecular Weight:19.8kDa (176aa) confirmed by MALDI-TOF

Sequences:

MIIGPGRGFGKRRHPKLTPLAYKQFIPNVAEKTLGASGRYEGKISRNSERFKELTPNYNPDIIIFKDEENTGADRLMT
QRCKDKLNALAISVMNQWPGVKLRVTEGWDEDGHHSEESLHYEGRAVDITTSRDRSKYGMLARLAVEAGFDWV
YYESKAHIHCSVKAENSVAAKSGG

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.