

AR51857PU-S**Human Sonic hedgehog (SHH) (24-197,) - Purified****Alternate names:**

HHG-1, Sonic hedgehog protein

Quantity:

50 µg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[Q15465](#)**NCBI:**[NP_000184](#)**GeneID:**[6469](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >95% by SDS - PAGE**Buffer System:** Phosphate buffered saline (pH7.4).**Endotoxin Level:** < 1.0 Eu per 1 microgram of protein (determined by LAL method)**Description:**

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

AA Sequence:

MIIGPGRGFG KRRHPKKLTP LAYKQFIPNV AEKTLGASGR YEGKISRNSE RFKELTPNYN
PDIIFKDEEN TGADRLMTQR CKDKLNALAI SVMNQWPGVK LRVTEGWDED GHHSEESLHY
EGRAVDITTS DRDRSKYGML ARLAVEAGFD WVYYESKAHI HCSVKAENSV AAKSGG

Molecular weight: 19.8 kDa (176aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

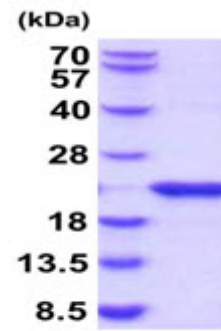
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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.

Pictures:



15% SDS-PAGE (3ug)