

AR09512PU-L

Human Sonic hedgehog (SHH) (24-197, His-tag) - Purified

Alternate names:

HHG-1, Sonic hedgehog protein

Quantity:

0.5 mg

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: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1 M NaCl

Description:

Recombinant human SHH protein, fused to His-tag at C-terminus was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MCGPGRGFGK RRHPKKLTPL AYKQFIPNVA EKTLGASGRY EGKISRNSER FKELTPNYNP
DIIFKDEENT GADRLMTQRC KDKLNALAI S VMNQWPGVKL RVTEGWDEDG HHSEESLHYE
GRAVDITTSD RDRSKYGMLA RLAVEAGFDW VYYESKAHII CSVKAENSVA AKSGGLEHHH HHH

Molecular weight: 20.7 kDa (183aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

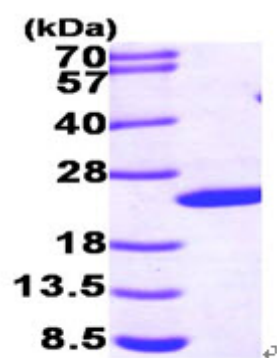
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

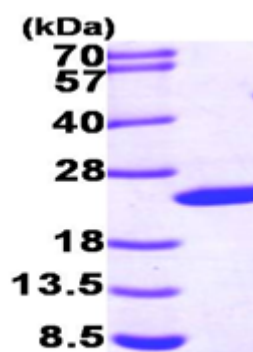
Kolpak A, et al. (2005) J Neurosci. 25(13):3432-41.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human SHH, 24-197 aa, His-tagged



15% SDS-PAGE (3ug)