

Human SHH Recombinant Protein



RPPB0901

Product Information Protein Information

Product SKU:

RPPB0901

Accession:

Q15465

Host:

Escherichia Coli.

Protein description:

Sonic HedgeHog Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 179 amino acids and having a molecular mass of 20.1kDa. The Cys at position 2 has been substituted with 2 Ile's.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

SHH, HHG-1, HHG1, Sonic hedgehog protein, TPT, HLP3, HPE3, SMMCI, TPTPS, MCOPCB5.

Formulation:

SHH is lyophilized from 10mM Na₃PO₄, pH 7.5.

Purity:

Greater than 97.0% as determined by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized SHH in sterile 10mM Na₃PO₄ pH 7.5 not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Human Sonic HedgeHog although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Sonic HedgeHog should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

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

Biological Activity:

The activity is measured by the dose-dependent induction of alkaline phosphatase production by C3H/10T1/2 (CCL-226) fibroblasts and is 1.2-1.8ug/ml corresponding to a specific activity of 800U/mg.