

Recombinant Human Indian Hedgehog Cys28Ilelle

Catalog No: #AP60467

Package Size: #AP60467-1 5ug #AP60467-2 100ug #AP60467-3 500ug

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Description

Product Name	Recombinant Human Indian Hedgehog Cys28Ilelle
Host Species	Escherichia coli.
Purification	> 96 % by SDS-PAGE and HPLC analyses.
Other Names	HHG-2
Uniprot	Q14623
GeneID	3549
Calculated MW	Approximately 19.8 kDa, a single non-glycosylated polypeptide chain containing 176 amino acids.
Target Sequence	IIGPGRVVGS RRRPPRKLVP LAYKQFSPNV PEKTLGASGR YEGKIARSSE RFKELTPNPN PDIIFKDEEN TGADRLMTQR CKDRLNSLAI SVMNQWPGVK LRVTEGWDED GHHSSESLHY EGRAVDITTS DRDRNKYGLL ARLAVEAGFD WVYYESKAHV HCSVKSEHSA AAKTGG
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 1 x PBS with 0.02% Tween-20, pH 7.0.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - □ 12 months from date of receipt, -20 to -70 °C as supplied. - □ 1 month, 2 to 8 °C under sterile conditions after reconstitution.

Background

IHH, encoded by the IHH gene in humans, belongs to the mammalian hedgehog family. It is expressed in adult kidney and liver. The function of IHH is involved in chondrocyte differentiation, proliferation and maturation especially during endochondral ossification. It regulates its effects by feedback control of parathyroid hormone-related peptide (PTHrP).

IHHB is also involved inB yolkB sacB vasculogenesis,B playingB anB importantB roleB inB differentiationB ofB epiblastB cellsB intoB endothelialB andB redB bloodB cells. Human IHH shares 100 % amino acid sequence identity with murine.

Note: This product is for in vitro research use only