

## Recombinant Human Indian Hedgehog Cys281Ilelle

Catalog No: #AP60467



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

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Human Indian Hedgehog Cys281Ilelle
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 RFKELTPNYN PDIIFKDEEN TGADRLMTQR CKDRLNSLAI SVMNQWPGVK LRVTEGWDED GHHSEESLHY 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).

IHH is also involved in yolk sac vasculogenesis, playing an important role in differentiation of epiblast cells into endothelial and red blood cells. Human IHH shares 100 % amino acid sequence identity with murine.

Note: This product is for in vitro research use only