

## 32-12123: Human Indian Hedgehog

**Gene :** IHH  
**Gene ID :** 3549  
**Uniprot ID :** Q14623  
**Alternative Name :** HHG-2

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Monomer, 19.9 kDa (177 aa)

Indian hedgehog (IHH) is an essential signaling factor that is secreted in the gut, cartilage, and bone during embryonic development. IHH acts through the patched (PTC) receptor to induce transcriptional changes important for bone and cartilage development. IHH also induces the expression of parathyroid hormone-related peptide (PTHrP), which in turn mediates IHH activity during chondrocyte differentiation, forming a negative feedback loop.

### Product Info

**Amount :** 25 µg / 100 µg  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq 95\%$   
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
10 mM HCl at 0.1 mg/mL  
**Storage condition :** Store at  $-20^{\circ}\text{C}$   
**Amino Acid :** MIIGPGRVVGÅ SRRRPPRKLVA PLAYKQFSPNÅ VPEKTLGASGÅ RYEGKIARSSÅ ERFKELTPNYÅ NPDIIFK DEEÅ NTGADRLMTQRCKDRLNSLAÅ ISVMNQWPGVÅ KLRVTEGWDEÅ DGHHSEESLHÅ YEGRAVDITTÅ SDRDRNKYGLÅ LARLAVEAGFÅ DWVYYESKAHÅ VHCSVKSEHSAAAKTGG

### Application Note

**Endotoxin:** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80^{\circ}\text{C}$  and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



