Recombinant Human/Mouse IHH Protein

Cat. No. IHH-126H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human/Mouse IHH Protein without tag was expressed in E. coli.
Species	Human/Mouse
Source	E.coli
Description	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.
Bio-activity	No biological activity data is available at this time.
Molecular Mass	Monomer, 19.9 kDa (177 aa)
AA Sequence	MIIGPGRVVG,SRRRPPRKLV,PLAYKQFSPN,VPEKTLGASG,RYEGKIARSS,ERFKELTPNY,NPDIIFKDEE,NTGADRLMTQRCKDRLNSLA,ISVMNQWPGV,KLRVTEGWDE,DGHHSEESLH,YEGRAVDITT,SDRDRNKYGL,LARLAVEAGF,DWVYYESKAH,VHCSVKSEHSAAAKTGG
Endotoxin	≤1 EUs/μg, Kinetic LAL
Purity	≥95%, Reducing and Non-Reducing SDS PAGE

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Stability	12 months from date of receipt when stored at -20 to -80 centigrade as supplied. 1 month when stored at 4 centigrade after reconstituting as directed. 3 months when stored at -20 to -80 centigrade after reconstituting as directed.
Storage	Storage Prior to Reconstitution: -20, centigrade
Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
Reconstitution	10 mM HCl at 0.1 mg/mL
Shipping	Room temperature
Instructions	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 centigrade and avoid repeat freeze thaws.

GENE INFORMATION

Gene Name	IHH Indian hedgehog [Homo sapiens (human)]
Official Symbol	IHH
Synonyms	IHH; Indian hedgehog; Indian hedgehog (Drosophila) homolog , Indian hedgehog homolog (Drosophila); indian hedgehog protein; BDA1; HHG2; HHG-2; Indian hedgehog homolog;
Gene ID	3549
mRNA Refseq	NM_002181

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Protein Refseq	NP_002172
MIM	600726
UniProt ID	Q14623

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