

Human / Mouse Indian Hedgehog

Catalog No.	CRH310A	Quantity:	5 µg
	CRH310B		100 µg
	CRH310C		1 mg

Alternate Names: HHG-2

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. Human and murine Indian Hedgehog proteins have 100% sequence homology.

UniProt ID: Q14623

Source: *E. coli*

Molecular Weight: Monomer, 19.9 kDa (177 aa)

Formulation: Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)

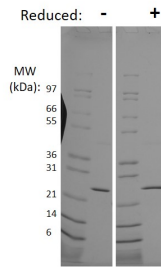
Purity: ≥95% by reducing and non-reducing SDS-PAGE

Endotoxin Level: ≤ 0.1 EU/µg by kinetic LAL analysis

Amino Acid Sequence: MIIGPGRVVG SRRRPPRKLV PLAYKQFSPN VPEKTLGASG RYEGKIARSS
ERFKELTPNY NPDIIFKDEE NTGADRLMTQRCKDRLNSLA ISVMNQWPGV
KLRVTEGWDE DGHHSEESLH YEGRAVDITT SDRDRNKYGL LARLAVEAGF
DWVYYESKAH VHCSVKSEHSAAAKTGG

Reconstitution: **Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipetting the solution up and down the sides of the vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

Storage & Stability: Upon receipt, store as supplied at -20 °C for up to 1 year. Upon reconstitution, the preparation is stable for up to one month at 2-8 °C. For long term storage reconstitute in working aliquots containing 0.1% BSA and store at -20 °C. **Avoid repeated freeze-thaw cycles.**



Mouse FGF-8 Gel

Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human FGF-8 is predicted have a MW of 22.5 kDa.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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