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32-12124: Human Indian Hedgehog (AF)

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

Description

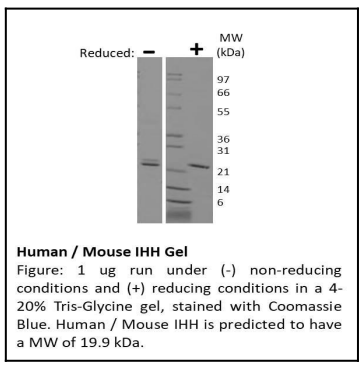
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 19.9 kDa (177 aa)
Indian hedgehog (IHH) is an essential signaling factor that is secreted in the gut, cartilage, and bone during embryonic development. IHH acts through the patched (PTC) receptor to induce transcriptional changes important 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 >= 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°C
Amino Acid :	MIIGPGRVVGÂ SRRRPPRKLVÂ PLAYKQFSPNÂ VPEKTLGASGÂ RYEGKIARSSÂ ERFKELTPNYÂ NPDIIFK DEEÂ NTGADRLMTQRCKDRLNSLAÂ ISVMNQWPGVÂ KLRVTEGWDEÂ DGHHSEESLHÂ YEGRAVDITTÂ SDRDRNKYGLÂ LARLAVEAGFÂ DWVYYESKAHÂ VHCSVKSEHSAAAKTGG

Application Note

Endotoxin: Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) 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 -80ÃÂ°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 vialed to compensate for this loss. ÃÂ ÃÂ



Human / Mouse IHH Gel
Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human / Mouse IHH is predicted to have a MW of 19.9 kDa.

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