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## Indian Hedgehog Protein (IHH) (AA 1-135) (His tag)



#### Overview

Quantity:	100 μg
Target:	Indian Hedgehog (IHH)
Protein Characteristics:	AA 1-135
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Indian Hedgehog protein is labelled with His tag.

### **Product Details**

Sequence:	Met 1-Gly 135
Characteristics:	A DNA sequence encoding the Rat Ihh protein (Q9WV29) (Met 1-Gly 135) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

#### **Target Details**

Target:	Indian Hedgehog (IHH)
Alternative Name:	Ihh (IHH Products)
Background:	Abbreviation: Ihh
	Target Synonym: IHH,Indian hedgehog homolo,Ihh
	Background: Intercellular signal essential for a variety of patterning events during development.
	Binds to the patched (PTC) receptor, which functions in association with smoothened (SMO), to

Storage Comment:

Expiry Date:

Target Details	
	activate the transcription of target genes. Implicated in endochondral ossification: may regulate the balance between growth and ossification of the developing bones. Induces the expression of parathyroid hormone-related protein (PTHRP).
Molecular Weight:	Calculated MW: 14.74 kDa  Observed MW: 15 kDa
UniProt:	Q9WV29
Pathways:	Hedgehog Signaling
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4.  Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C

samples are stable at < -20°C for 3 months.

12 months

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80  $^{\circ}$ C.

Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted