Recombinant Human IHH protein, His & T7-tagged

Cat. No. IHH-1673H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IHH aa. (Val45~Ser195 (Accession # Q14623)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val45~Ser195
Description	This gene encodes a member of the hedgehog family of proteins. The encoded preproprotein is proteolytically processed to generate multiple protein products, including an N-terminal fragment that is involved in signaling. Hedgehog family proteins are essential secreted signaling molecules that regulate a variety of developmental processes including growth, patterning and morphogenesis. The protein encoded by this gene specifically plays a role in bone growth and differentiation. Mutations in this gene are the cause of brachydactyly type A1, which is characterized by shortening or malformation of the fingers and toes. Mutations in this gene are also the cause of acrocapitofemoral dysplasia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

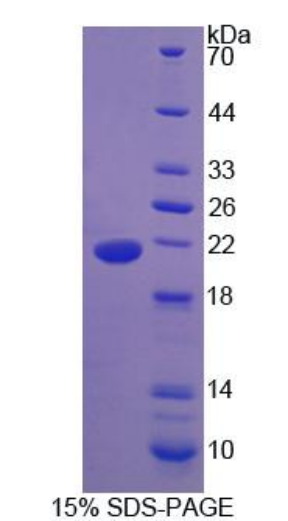
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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	6.1

GENE INFORMATION

Gene Name	IHH indian hedgehog [Homo sapiens (human)]
Official Symbol	IHH
Synonyms	IHH; indian hedgehog; BDA1; HHG2; indian hedgehog protein; Indian hedgehog homolog
Gene ID	3549
mRNA Refseq	NM_002181.3

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Protein Refseq	NP_002172.2
UniProt ID	Q14623
SDS-PAGE	 15% SDS-PAGE

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