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IHH Blocking Peptide (C-term)

Synthetic peptide
Catalog # BP21524b

Specification

IHH Blocking Peptide (C-term) - Product Information

Primary Accession Q14623

IHH Blocking Peptide (C-term) - Additional Information

Gene ID 3549

Other Names
Indian hedgehog protein, IHH, HHG-2, Indian hedgehog protein N-product, Indian hedgehog protein C-product, IHH

Target/Specificity
The synthetic peptide sequence is selected from aa 248-261 of HUMAN IHH

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

IHH Blocking Peptide (C-term) - Protein Information

Name IHH (HGNC:5956)

Function
[Indian hedgehog protein]: The C-terminal part of the indian hedgehog protein precursor displays an autoproteolysis and a cholesterol transferase activity (By similarity). Both activities result in the cleavage of the full-length protein into two parts followed by the covalent attachment of a cholesterol moiety to the C- terminal of the newly generated N-product (By similarity). Both activities occur in the reticulum endoplasmic (By similarity). Plays a role in hedgehog paracrine signaling (PubMed:24342078). Associated with the very-low-density lipoprotein (VLDL) particles to function as a circulating morphogen for endothelial cell integrity maintenance (PubMed:20839884).

Cellular Location
[Indian hedgehog protein N-product]: Cell membrane; Lipid-anchor {ECO:0000250|UniProtKB:Q62226}. Note=The N-product remains associated with the cell surface. {ECO:0000250|UniProtKB:Q15465}

Tissue Location
Expressed in embryonic lung, and in adult kidney and liver

IHH Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

IHH Blocking Peptide (C-term) - Images

IHH Blocking Peptide (C-term) - 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 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) (By similarity).

IHH Blocking Peptide (C-term) - References

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Marigo V.,et al.Genomics 28:44-51(1995).
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