

(Mouse) Ihh Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP20944c

Specification

(Mouse) Ihh Blocking Peptide (C-term) - Product Information

Primary Accession [P97812](#)

(Mouse) Ihh Blocking Peptide (C-term) - Additional Information

Gene ID 16147

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 397-410 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.

(Mouse) Ihh Blocking Peptide (C-term) - Protein Information

Name Ihh {ECO:0000312|MGI:MGI:96533}

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. Associated with the very-low- density lipoprotein (VLDL) particles to function as a circulating morphogen for endothelial cell integrity maintenance (By similarity).

Cellular Location

[Indian hedgehog protein N-product]: Cell membrane {ECO:0000250|UniProtKB:Q14623}; Lipid-anchor {ECO:0000250|UniProtKB:Q62226}. Note=The N-product remains associated with the cell surface. {ECO:0000250|UniProtKB:Q15465}

Tissue Location

In the adult kidney, found in proximal convoluted and proximal straight tubule.

(Mouse) Ihh Blocking Peptide (C-term) - Protocols

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

- [Blocking Peptides](#)

(Mouse) Ihh Blocking Peptide (C-term) - Images

(Mouse) 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).

(Mouse) Ihh Blocking Peptide (C-term) - References

Valentini R.P., et al. J. Biol. Chem. 272:8466-8473(1997).
Echelard Y., et al. Cell 75:1417-1430(1993).
St Jacques B., et al. Submitted (APR-1997) to the EMBL/GenBank/DDBJ databases.
Chang D.T., et al. Development 120:3339-3353(1994).