

Recombinant Full Length Human DHH Protein, GST-tagged

Cat. No. DHH-2531HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DHH full-length ORF (NP_066382.1, 1 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	396 amino acids
Description	This gene encodes a member of the hedgehog family. The hedgehog gene family encodes signaling molecules that play an important role in regulating morphogenesis. This protein is predicted to be made as a precursor that is autocatalytically cleaved; the N-terminal portion is soluble and contains the signalling activity while the C-terminal portion is involved in precursor processing. More importantly, the C-terminal product covalently attaches a cholesterol moiety to the N-terminal product, restricting the N-terminal product to the cell surface and preventing it from freely diffusing throughout the organism. Defects in this protein have been associated with partial gonadal dysgenesis (PGD) accompanied by minifascicular polyneuropathy. This protein may be involved in both male gonadal differentiation and perineurial development. [provided by RefSeq, May 2010]
Molecular Mass	70 kDa
AA Sequence	MALLTNLLPLCCLALLALPAQSCGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERTL GASGPAEGRVARGSERFRDLVPNYPNDIIFKDEENSGADRLMTERCKERVNALAIIV

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MNMWPGVRLRVTEGWDEDEGHHAQDSLHYEGRALDITTSRDRNKYGLLARLAVEA
 GFDWVYYESRNVHVSVKADNSLAVRAGGCFPGNATVRLWSGERKGLRELHRGD
 WVLAADASGRVVPTPVLLFLDRDLQRRASFVAVETEWPPRLLLLTPWHLVFAARGP
 APAPGDFAPVFARRLRAGDSVLAPGGDALRPARVARVAREEAVGVFAPLTAHGTL
 VNDVLASCYAVLESHQWAHRAFAPLRLHALGALLPGGAVQPTGMHWYSRLLYRLA
 EELLG

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

DHH desert hedgehog [Homo sapiens]

Official Symbol

DHH

Synonyms

DHH; desert hedgehog; desert hedgehog (Drosophila) homolog; desert hedgehog protein; HHG 3; MGC35145; mutant desert hedgehog; desert hedgehog homolog; GDXYM; HHG-3; SRXY7;

Gene ID

50846

mRNA Refseq

NM_021044

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Protein Refseq	NP_066382
MIM	605423
UniProt ID	O43323

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