

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	<p>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]</p>
Molecular Mass	70 kDa
AA Sequence	MALLTNLLPLCCLALLALPAQSCGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERL GASGPAEGRVARGSERFRDLVPNYNPDIIIFKDEENSGADRLMTERCKERVNALIAIV

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MNMWPGVRLRVTEGWDEDGHHQAQDSLHYEGRALDITTSRDRNKYGLLARLAVEA
 GFDWVYYESRNHVHVSVKADNSLAVRAGGCFPGNATVRLWSGERKGLRELHRGD
 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



Protein Refseq	NP_066382
MIM	605423
UniProt ID	O43323

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