

Recombinant Human DHH Protein, GST-tagged

Cat. No. DHH-2589H 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	Wheat Germ
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	<p>MALLTNLLPLCCLALLALPAQSCGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERL GASGPAEGRVARGSERFRDLVPNYNPDIIKFDEENSGADRLMTERCKERVNALAIIV MNMWPGVRLRVTEGWDEDGHHQAQDSLHYEGRALDITTSRDRNKGLLARLAVEA</p>

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GFDWVYYESRNVHVSVKADNSLAVRAGGCFFGNATVRLWSEGERKGLRELHRGD
 WVLAADASGRVVPTVLLFLDRDLQRRASFVAVETEWPPRKLTPWHLVFAARGP
 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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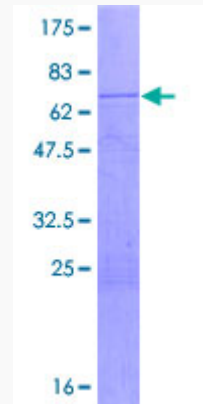
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Protein Refseq NP_066382

MIM 605423

UniProt ID O43323

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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