

Product datasheet for RC206715L3

DHH (NM_021044) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: DHH (NM_021044) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: DHH

Synonyms: GDMN; GDXYM; HHG-3; SRXY7

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC206715).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_021044

ORF Size: 1188 bp



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DHH (NM_021044) Human Tagged Lenti ORF Clone - RC206715L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 021044.2</u>

 RefSeq Size:
 1971 bp

 RefSeq ORF:
 1191 bp

 Locus ID:
 50846

 UniProt ID:
 043323

 Cytogenetics:
 12q13.12

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protease

Protein Pathways: Hedgehog signaling pathway

MW: 43.6 kDa

Gene Summary: 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]