

Screening Libraries

Proteins

Product Data Sheet

DHH Protein, Mouse

Cat. No.: HY-P7339

Synonyms: rMuDHH; DHH; HHG-3

Species: Mouse E. coli Source:

Q61488 (C23-G198, C23I) Accession:

Gene ID: 13363

Molecular Weight: Approximately 20.1 kDa

PROPERTIES

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IGPGRGPVGR RRYVRKQLVP LLYKQFVPSM PERTLGASGP AEGRVTRGSE RFRDLVPNYN PDIIFKDEEN SGADRLMTER CKERVNALAI AVMNMWPGVR LRVTEGWDED GHHAQDSLHY EGRALDITTS DRDRNKYGLL ARLAVEAGFD WVYYESRNHI

HVSVKADNSL AVRAGG

Biological Activity

Measured by its ability to induce alkaline phosphatase production by MC3T3-E1 mouse embryo osteoblast precursor cells. The ED₅₀ for this effect is 6.643 µg/mL, corresponding to a specific activity is 150.534 units/mg.

Appearance

Lyophilized powder

Formulation

Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Endotoxin Level

<0.2 EU/µg, determined by LAL method.

Reconsititution

It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

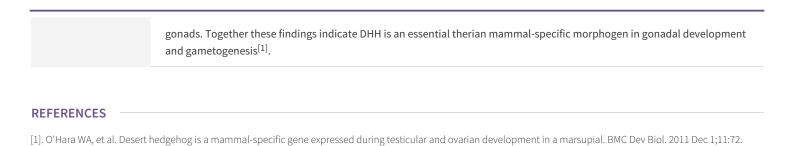
Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Desert hedgehog (DHH) belongs to the hedgehog gene family that act as secreted intercellular signal transducers. DHH is an essential morphogen for normal testicular development and function in both mice and humans but is not present in the avian lineage. Like other hedgehog proteins, DHH signals through the patched (PTCH) receptors 1 and 2. The receptors PTCH1 and PTCH2 are highly conserved mediators of hedgehog signalling in both the developing and adult marsupial



Caution: Product has not been fully validated for medical applications. For research use only.

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