9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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DHH (C23II) His Human

Desert HedgeHog (C23II) Human Recombinant, His Tag
CYK0130

Product Overview

Name	DHH (C23II) His Human
Description	
Desert HedgeHog (C23II) Human Recombinant, His Tag	
Accession (Primary)	O43323
Synonyms	
HHG-3, Desert Hedgehog homolog, MGC35145, Desert hedgehog protein, DHH.	
Introduction	
DHH is part of the Hedgehog family which encodes signaling molecules that are involved in regulating morphogenesis. DHH protein is 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. Additionally, 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 DHH protein have been associated with partial gonadal dysgenesis (PGD) accompanied by minifascicular polyneuropathy. DHH plays a role both male gonadal differentiation and perineurial development. DHH plays a role in intercellular signaling which is essential for a variety of patterning events during development. DHH functions as a spermatocyte survival factor in the testes & is essential for testes development.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The DHH (C23II) His solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.15M NaCl, 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSM IIGPGR GPVGRRRYAR KQLVPLLYKQ FVPGVPERTL GASGPAEGRV

ARGSERFRDL VPNYNPDIIF KDEENSGADR LMTERCKERV NALAIAVMNM WPGVRLRVTE GWDEDGHHAQ

DSLHYEGRAL DITTSDRDRN KYGLLARLAV EAGFDWVYYE SRNHVHVSVK ADNSLAVRAG G

Precautions

DHH (C23II) His Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43323)