9051 Mira Mesa Blvd, #910094
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DHH Human

Desert Hedgehog Human Recombinant
CYK0133

Product Overview

Name	DHH Human
Description	
Desert Hedgehog Human Recombinant	
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 colorless solution.	
Formulation	
DHH solution containing 20mM MES pH-5.5, 0.5mM DTT and 20% 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). Please prevent freeze thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MCGPGRGPVG RRRYARKQLV PLLYKQFVPG VPERTLGASG PAEGRVARGS ERFRDLVPNY NPDIIFKDEE NSGADRLMTE RCKERVNALA IAVMNMWPGV RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH VHVSVKADNS LAVRAGG.

Precautions

DHH Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43323)