

Desert HedgeHog Recombinant Protein | DHH recombinant protein

Recombinant Human Desert HedgeHog

CATALOG # AAA38220	HOST E Coli
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PRODUCT SYNONYMS

Desert HedgeHog; Recombinant Human Desert HedgeHog; DHH Human; Desert Hedgehog Human Recombinant; HHG-3; Desert Hedgehog homolog; MGC35145; Desert hedgehog protein; DHH; DHH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	DHH solution containing 20mM MES pH-5.5, 0.5mM DTT and 20% glycerol. Sterile filtered colorless solution.
Concentration	1mg/ml (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MCGPGRGPVG RRRYARKQLV PLYKQFVPG VPERTLGASG PAEGRVARGS ERFRDLVPNY NPDIIKFDEE NSGADRLMTE RCKERNALA IAVMNMWPGV RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYESRNH VHSVSKADNS LAVRAGG
Sequence Length	396
Preparation and Storage	DHH Human Recombinant although stable at 4 degree C for 1 week, should be stored desiccated below -18 degree C. Please prevent freeze thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for DHH recombinant protein	Description: DHH Human Recombinant produced in E Coli is a single, non-glycosylated, polypeptide chain containing 197 amino acids (23-198) and having a molecular mass of 22 kDa. DHH is fused to His-tag (20 a.a.) at N-terminus and is purified by proprietary chromatographic techniques. 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.
Product Categories/Family for DHH recombinant protein	Cytokines and Growth Factors; Cytokines; Hedgehog Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	19482158
NCBI GeneID	50846
NCBI Accession #	NP_066382.1

NCBI GenBank Nucleotide #	NM_021044.2
UniProt Accession #	O43323 ; Q15794
Molecular Weight	43,577 Da
NCBI Official Full Name	desert hedgehog protein preproprotein
NCBI Official Synonym Full Names	desert hedgehog
NCBI Official Symbol	DHH
NCBI Official Synonym Symbols	GDXYM; HHG-3; SRXY7
NCBI Protein Information	desert hedgehog protein; desert hedgehog homolog; mutant desert hedgehog
UniProt Protein Name	Desert hedgehog protein
UniProt Gene Name	DHH
UniProt Synonym Gene Names	DHH
UniProt Entry Name	DHH_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/dhh-recombinant-protein-e-coli/38220>