

DHH recombinant protein

DHH, 23-198aa, Human, His tag, E Coli

CATALOG # AAA48524	HOST E Coli	APPLICATIONS SDS-Page
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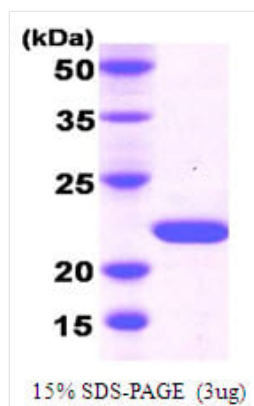
PRODUCT SYNONYMS

DHH; 23-198aa; Human; His tag; E Coli; desert hedgehog preproprotein; Drosophila; HHG-3; MGC35145; Desert hedgehog protein N-product; desert hedgehog preproprotein Desert hedgehog; Desert hedgehog (Drosophila) homolog; Desert hedgehog homolog (Drosophila); Desert hedgehog protein precursor.; DHH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 20mM MES pH 5.5, 0.5mM DTT, 20% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MCGPGRGPVG RRRYARKQLV PLYKQFVPG VPERTLGASG PAEGRVARGS ERFRDLVPNY NPDIIFKDEE NSGADRLMTE RCKERNALA IAVMNMWPGV RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH VHVSVKADNS LAVRAGG
Sequence Length	396
Applicable Applications for DHH recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Endotoxin Level	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation and Storage	Can be stored at 2-8 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DHH recombinant protein	DHH belongs to the hedgehog family. The C-terminal domain displays an autoproteolysis activity and a cholesterol transferase activity. The N- terminal domain is the active species in both local and long-range signaling, whereas the C-terminal domain has no signaling activity. This protein is produced by Sertoli cells and may be involved in both male gonadal differentiation and perineurial development. Defects in this protein have been associated with partial gonadal dysgenesis (PGD) accompanied by minifascicular polyneuropathy. Recombinant DHH protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for DHH recombinant protein	Signal Transduction
References	Chen YJ, et al. (2007). Cell Cycle. 6 (15):1826-30; Van den Brink GR., et al. (2007). Physiol Rev. 87 (4):1343-75;

NCBI AND UNIPROT INFORMATION

NCBI GI #	19482158
NCBI GeneID	50846
NCBI Accession #	NP_066382
NCBI GenBank Nucleotide #	NM_021044.3
UniProt Accession #	O43323; Q15794
Molecular Weight	22kDa (197aa), confirmed by MALDI-TOF.
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
UniProt Protein Name	Desert hedgehog protein
UniProt Gene Name	DHH
UniProt Synonym Gene Names	DHH

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.