

DHH (C23II) Recombinant Protein | DHH recombinant protein

Desert hedgehog protein

CATALOG # AAA48835	HOST E Coli	APPLICATIONS SDS-Page
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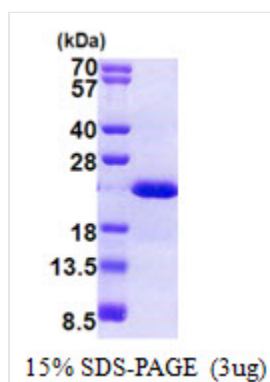
PRODUCT SYNONYMS

DHH (C23II); Desert hedgehog protein; desert hedgehog; GDXYM; HHG-3; SRXY7; DHH recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 7.5) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMIIGPGR GPVGRRRYAR KQLVPLLYKQ FVPGVPERTL GASGPAEGRV ARGSERFRDL VPNYNPDIIIF KDEENSGADR LMTERCKERV NALAIVMNM WPGVRLRVTE GWDEDGHHAQ DSLHYEGRAL DITTSDRDRN KYGLLARLAV EAGFDWVYYE SRNHVHVSVK ADNSLAVRAG G
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 ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for DHH recombinant protein	DHH is a member of the hedgehog family. The hedgehog gene family encodes signaling molecules that play an important role in regulating morphogenesis. This protein is predicted to be made as 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. More importantly, 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 this protein have been associated with partial gonadal dysgenesis (PGD) accompanied by minifascicular polyneuropathy. This protein may be involved in both male gonadal differentiation and perineurial development. Recombinant human DHH protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for DHH recombinant protein	Stem Cell
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	22.4kDa (201aa) 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.

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Online datasheet: <https://stage.aaabiotech.com/dhh-recombinant-protein-e-coli-sds-page/48835>