

Datasheet for ABIN7596356

desert Hedgehog Protein (AA 23-198) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	desert Hedgehog (DHH)
Protein Characteristics:	AA 23-198
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This desert Hedgehog protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMIIGPGR GPVGRRRRYAR KQLVPLLYKQ FVPGVPERTL GASGPAEGRV ARGSERFRDL VPNYNPDIIF KDEENSGADR LMTERCKERV NALAIAMNM WPGVRLRVTE GWDEDGHHQA DSLHYEGRAL DITTSDDRDRN KYGLLARLAV EAGFDWVYYE SRNHVHVSVK ADNSLAVRAG G
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	desert Hedgehog (DHH)
Alternative Name:	Desert Hedgehog/Dhh (C23II) (DHH Products)
Background:	DHH is a member of the hedgehog family. The hedgehog gene family encodes signaling

Target Details

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.

Molecular Weight: 22.4 kDa (201aa) confirmed by MALDI-TOF

NCBI Accession: [NP_066382](#)

Pathways: [Hedgehog Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.