

AR09017PU-L**Recombinant human DHH (Desert Hedgehog Protein) (aa 23-198), His-tagged**

Alternate names:	HHG-3
Quantity:	0.5 mg
Concentration:	1.0 mg/ml
Background:	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.
Uniprot ID:	O43323
NCBI:	NP_066382.1
GeneID:	50846
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% > 95% by SDS PAGE Buffer System: 20mM MES pH 5.5 containing 0.5mM DTT, 20% Glycerol
Description:	Recombinant DHH protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: <u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MCGPGRGPVVG RRRYARKQLV PLLYKQFVPG VPERTLGASG PAEGRVARGS ERFRDLVPNY NPDIIFKDEE NSGADRLMTE RCKERVNALA IAVMNMWPGV RLRVTEGWDE DGHHAQDSLH YEGRALDITT SDRDRNKYGL LARLAVEAGF DWVYYESRNH VHVSVKADNS LAVRAGG Molecular weight: 22 kDa 22.0 kDa (197 aa) confirmed by MALDI-TOF
Add. Information:	NCBI Accession No.: NP_066382
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Chen YJ, Sims-Mourtada J, Izzo J, Chao KS. Targeting the hedgehog pathway to mitigate treatment resistance. Cell Cycle. 2007 Aug 1;6(15):1826-30. Epub 2007 Jun 5. PubMed PMID: 17671418. 2. van den Brink GR. Hedgehog signaling in development and homeostasis of the gastrointestinal tract. Physiol Rev. 2007 Oct;87(4):1343-75. PubMed PMID: 17928586.

Pictures:

