DHH (Human) Recombinant Protein

Catalog # P9136 Size 25 ug

Specification

Product Description	Human DHH partial recombinant protein with His tag in N-terminus expressed in *Escherichia coli*.
Sequence	MGSSHHHHHHSSGLVPRGSHMCGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERTLGASGPA EGRVARGSERFRDLVPNYNPDIIFKDEENSGADRLMTERCKERVNALAIAVMNMWPGVRLRVTE GWDEDGHHAQDSLHYEGRALDITTSDRDRNKYGLLARLAVEAGFDWVYYESRNHVHVSVKADN SLAVRAGG
Host	Escherichia coli
Theoretical MW (kDa)	22
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 95% as determined by SDS-PAGE.
Isotype	Escherichia Coli.
Storage Buffer	Solution containing 20 mM MES ,pH 5.5, 20% glycerol, 0.5 mM DTT.
Storage Instruction	Store at 4°C for 2-4 weeks and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

Gene Info — DHH

Entrez GeneID	50846

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Protein Accession#	O43323
Gene Name	DHH
Gene Alias	HHG-3, MGC35145
Gene Description	desert hedgehog homolog (Drosophila)
Omim ID	605423 607080
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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. [provided by RefSeq
Other Designations	desert hedgehog

Pathway

- Hedgehog signaling pathway

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