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DHH (C231I), 23-198aa, Human, His tag, E.coli

产品货号: TP01872

第三版

别名: Desert hedgehog protein, desert hedgehog, GDXYM, HHG-3, SRXY7

描述: 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 Nterminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 10% glycerol, 1mM DTT

分子量: 22.4kDa (201aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMIIGPGRGPVGRRRYARKQLVPLLYKQFVPGVPERTLGASGPAEGRVARGSERFRD
LVPNYNPDIIIFKDEENSGADRLMTERCKERVNALAIAVMNMWPGVRLRVTEGWDEDGHHAQDSLHYEGRALDITTSR
DRNKYGLLARLAVEAGFDWVYYESRNHVHVSVKADNSLAVRAGG

纯度: > 95% by HPLC

浓度: 0.25 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.