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NSDHL, 1-297aa, Human, His tag, E.coli

产品货号: TP03203

第三版

别名: Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, H105E3, SDR31E1, XAP104

描述: NSDHL, as known as Sterol-4-alpha-carboxylate 3-dehydrogenase, is involved in the production (synthesis) of cholesterol. During cholesterol synthesis, it participates in one of several steps that convert a molecule called lanosterol to cholesterol. Specifically, this enzyme removes a carbon atom and three hydrogen atoms (a methyl group) in the conversion of lanosterol to cholesterol. It is also an important component of cell membranes and myelin, the fatty covering that insulates nerve cells. Recombinant human NSDHL protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

分子量: 35.5kDa (320aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMPEAVSEPMRDQVARTHLTEDTPKVNADIEKVNQNQAKRCTVIGGSGFLGQHM
VEQLLARGYAVNVFDIQQGFDNPQVRFFLDLCSRQDLYPALKGVNTVFHCASPPSSNNKELFYRVNYIGTKNVIETCK
EAGVQKLILTSSASVIFEGVDIKNGTEDLPYAMKPIDYYTETKILQERAVLGANDPEKNFLTTAIRPHGIFGPRDPQLVPILIE
AARNGKMKFVIGNGKNLVDFTFVENVVHGHILAAEQLSRDSTLGGKAFHITNDEPIPFWTFLSRILTGLNYEAPKYHIPY

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.