
Product Data Sheet

Product Name: NSDHL Human
 Cat. No.: GP24066
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	H105E3; SDR31E1; XAP104; Sterol-4-alpha-carboxylate 3-dehydrogenase; decarboxylating; Protein H105e3; NSDHL.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEPAVSE PMRDQVARTH LTEDTPKVNA DIEKVNQNQA KRCTVIGGSG FLGQHMVEQL LARGYAVNVF DIQQGFDNPQ VRFFLDLCS RQDLYPALKG VNTVFHCASP PPSSNNKELF YRVNYIGTKN VIETCKEAGV QKLILTSSAS VIFEGVDIKN GTEDLPYAMK PIDYYTETKI LQERAVLGAN DPEKNFLT TA IRPHGIFGPR DPQLVPILIE AARNGKMKFV IGNGKNLVDF TFVENVVHGH ILAAEQLSRD STLGGKAFHI TNDEPIPFWT FLSRILTGLN YEAPKYHIPY.		
Formulation	The NSDHL solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

NAD (P) Dependent Steroid Dehydrogenase-Like (NSDHL) takes part in synthesis of cholesterol. NSDHL is involved in one of a few steps which convert lanosterol to cholesterol by removing a carbon atom and three hydrogen atoms (a methyl group). NSDHL is also a vital element of cell membranes and myelin, the fatty covering that insulates nerve cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NSDHL Human Recombinant produced in E. coli is a single polypeptide chain containing

Caution: Product has not been fully validated for medical applications. For research use only.

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320 amino acids (1-297) and having a molecular mass of 35.5kDa. NSDHL is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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