9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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NSDHL Human

NAD (P) Dependent Steroid Dehydrogenase-Like Human Recombinant
RCP1525

Product Overview

Name	NSDHL Human

Description

NAD (P) Dependent Steroid Dehydrogenase-Like Human Recombinant

Accession (Primary)	Q15738

Synonyms

H105E3, SDR31E1, XAP104, Sterol-4-alpha-carboxylate 3-dehydrogenase, decarboxylating, Protein H105e3, NSDHL.

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The NSDHL solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.

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.

Purity

Greater than 80% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MEPAVSE PMRDQVARTH LTEDTPKVNA DIEKVNQNQA KRCTVIGGSG FLGQHMVEQL LARGYAVNVF DIQQGFDNPQ VRFFLGDLCS RQDLYPALKG VNTVFHCASP PPSSNNKELF YRVNYIGTKN VIETCKEAGV QKLILTSSAS VIFEGVDIKN GTEDLPYAMK PIDYYTETKI LQERAVLGAN DPEKNFLTTA IRPHGIFGPR DPQLVPILIE AARNGKMKFV IGNGKNLVDF TFVENVVHGH ILAAEQLSRD STLGGKAFHI TNDEPIPFWT FLSRILTGLN YEAPKYHIPY.

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Precautions

NSDHL Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15738)