

## 32-4345: Recombinant Human NAD (P) Dependent Steroid Dehydrogenase-Like

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

### Description

Source : Escherichia Coli. NSDHL Human Recombinant produced in E. coli is a single polypeptide chain containing 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. 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.

### Product Info

**Amount :** 5 µg  
**Purification :** Greater than 80% as determined by SDS-PAGE.  
**Content :** The NSDHL solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH 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.