

## DHRS9 Human

**Description:** DHRS9 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 327 amino acids (18-319) and having a molecular mass of 35.9kDa. DHRS9 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: ENPS-223

For research use only.

**Synonyms:** Dehydrogenase/reductase SDR family member 9, 3-alpha hydroxysteroid dehydrogenase, 3-alpha-HSD, NADP-dependent retinol dehydrogenase/reductase, RDH-E2, RDHL, Short-chain dehydrogenase/reductase retSDR8, DHRS9, RDH15, RDHTBE, SDR9C4, RETSDR8, 3ALPHA-HSD.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SGLVPRGSH MGSHMRKGKL KIEDITDKYI  
FITGCDSGFG NLAARTFDKK GFHVIAAELT ESGSTALKAE TSERLRTVLL DVTDPENVKR  
TAQWVKNQVG EKGLWGLINN AGVPGVLAPT DWLTLEDYRE PIEVNLFLGI SVTLNMLPLV  
KKAQGRVINV SSVGGRLAIV GGGYTPSKYA VEGFNDSLRR DMKAFGVHVS CIEPGLFKTN  
LADPVKVIK KL

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

### Formulation:

The DHRS9 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl, 1mM DTT and 0.1mM PMSF.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

Dehydrogenase/reductase SDR family member 9 (DHRS9) functions as a homotetramer, which converts both 3-alpha-tetrahydroprogesterone (allopregnanolone) and 3-alpha-androstenediol to dihydroxyprogesterone and is believed to have a part in retinoic acid biosynthesis.

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