
Product Data Sheet

Product Name: DHRS9 Human
 Cat. No.: GP21560
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGS HMRKGKL KIEDITDKYI FITGCDSGFG NLAARTFDKK GFHVIAACL TSGSTALKA E TSERLRTVLL DVTDPENVKR TAQWVKNQVG EKGLWGLINN AGVPGVLAPT DWLTLEDYRE PIEVNLFLGI SVTLNMLPLV KKAQGRVIN V SSVGGRLAIV GGGYTPSKYA VEGFNDSLRR DMKAFGVHVS CIEPGLFKTN LADPVKVIEK KLAIWEQLSP DIKQQYGEGY IEKSLDKLKG NKS YVNMDLS PVVECDMDHAL TSLFPKTHYA AGKDAKIFWI PLSHMPAALQ DFLLKQKAE LANPKAV.		
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.		

Introduction

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

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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

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.

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