

DHRS9, 18-319aa, Human, His tag, E.coli

Cat.NO.: TP01877

3th Edition

Synonyms:Dehydrogenase/reductase SDR family member 9, 3ALPHA-HSD, RDH15, RDHL, RDHTBE, RETSDR8, SDR9C4.

Description:DHRS9, also known as dehydrogenase/reductase SDR family member 9, functions as a homotetramer that converts both 3-alpha-tetrahydroprogesterone (allopregnanolone) and 3-alpha-androstanediol to dihydroxyprogesterone and is thought to play a role in retinoic acid biosynthesis. Recombinant human DHRS9 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 0.1M NaCl,1mM DTT, 0.1mM PMSF

Molecular Weight:35.9 kDa (327aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMRKGKLIKIEDITDKYIFITGCDSGFGNLAARTFDKKGFFHVAACLTESGSTAL
KAETSERLRTVLLDVTDPENVKRTAQWVKNQVGEKGLWGLINNAGVPGVLAPTDWLTLEDYREPIEVNLFGLISVTL
NMLPLVKKAQGRVINSSVGGRLAIVGGGYTPSKYAVEGFNDSLRRDMKAFGVHVSCIEPGLFKTNLADPVKVKIEKK
LAIWEQLSPDIKQQYGEGYIEKSLDKLKGKNSYVNMDSLSPVVECMDHALTSLFPKTHYAAGKDAKIFWIPLSHMPAA
LQDFLLLKQKAELANPKAV

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.