

Recombinant human DHRS9 protein

Catalog Number: ATGP1343

PRODUCT INFORMATION

Expression system

E.coli

Domain

18-319aa

UniProt No.

Q9BPW9

NCBI Accession No.

NP_005762

Alternative Names

Dehydrogenase/reductase SDR family member 9, 3-alpha hydroxysteroid dehydrogenase, 3-alpha-HSD, 3ALPHA-HSD, 3alpha-HSD, Dehydrogenase/reductase SDR family member 9

PRODUCT SPECIFICATION

Molecular Weight

35.9 kDa (327aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT, 0.1mM PMSF

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

Recombinant human DHRS9 protein

Catalog Number: ATGP1343

Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGS HMRKGKL KIEDITDKYI FITGCD SGFG NLAARTFDKK GFHVIAACLT ESGSTALKAE
TSERLRTVLL DVTDPENVKR TAQWVKNQVG EKGLWGLINN AGVPGVLAPT DWLTLEDYRE PIEVNLFG LI SVTLNMLPLV
KKAQGRVIN V SSVGGRLAIV GGGYTPSKYA VEGFNDSLRR DMKAFGVHVS CIEPGLFKTN LADPVKVIEK KLAIWEQLSP
DIKQQYGE GY IEKSLDKLKG NKSYVNMDLS PVVECMDHAL TSLFPKTHYA AGKDAKIFWI PLSHMPAALQ DFLLKQKAE
LANPKAV

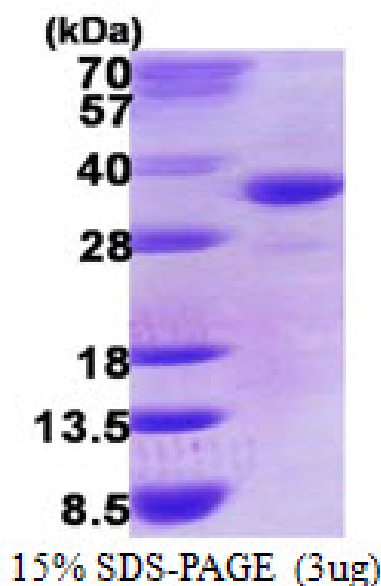
General References

Chetyrkin S.V. et al. (2001) J. Biol.Chem. 276: 22278-22286.

Jones R.J. et al. (2007) . J. Biol.Chem. 282: 8317-8324.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.