

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.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSHMRKGKL KIEDITDKYI FITGCDSGFG NLAARTFDKK GFHVIAACLT ESGSTALKAE
TSERLRTVLL DVTDPENVKR TAQWVKNQVG EKGLWGLINN AGVPGVLAPT DWLTLEDYRE PIEVNLFG LI SVTLNMLPLV
KKAQGRVINV SSVGGRLAIV GGGYTPSKYA VEGFNDSLRR DMKAFGVHVS CIEPGLFKN LADPVKVIK KLAIWEQLSP
DIKQQYGEY IEKSLDKLKG NKSIVNMDLS PVVECMDHAL TSLFPKTHYA AGKDAKIFWI PLSHMPAALQ DFLLKQKAE
LANPKAV

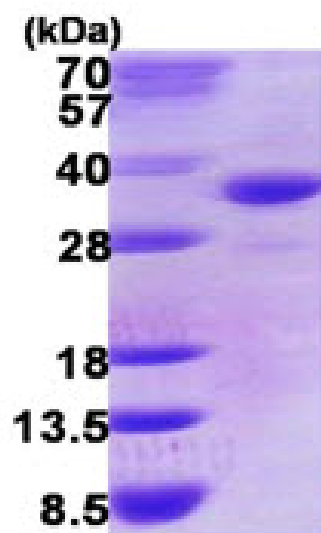
General References

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.

15% SDS-PAGE (3ug)