

Recombinant human 17 beta-HSD1/HSD17B1 protein

Catalog Number: ATGP2101

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-328aa

UniProt No.

P14061

NCBI Accession No.

NP_000404

Alternative Names

Hydroxysteroid 17-beta dehydrogenase 1 (approved name), 17-beta-hydroxysteroid dehydrogenase type 1, 17-beta-HSD 1, 20 alpha-hydroxysteroid dehydrogenase, 20-alpha-HSD, E2DH, Estradiol 17-beta-dehydrogenase 1, Placental 17-beta-hydroxysteroid dehydrogenase, Short chain dehydrogenase/reductase family 28C member 1, HSD17B1, E17KSR, EDH17B1, EDH17B2, EDHB17, SDR28C1

PRODUCT SPECIFICATION

Molecular Weight

37.5 kDa (352aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

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

Estradiol 17-beta-dehydrogenase 1, also known as HSD17B1, belongs to the short-chain dehydrogenases/reductases (SDR) family. This protein favors the reduction of estrogens and androgens. Recombinant human HSD17B1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by

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using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSH>MARTVV LITGCSSGIG LHLAVRLASD PSQSFKYYAT LRDCLKTQGRLL
WEAARALACP PGSLETLQLD VRDSKSVAAA RERVTEGRVD VLVCNAGLGL LGPLEALGED AVASVLDVNV VGTVRMLQAF
LPDMKRRGSG RVLVTGSGVGG LMGLPFNDVY CASKFALEGL CESLAVLLLP FGVHLSLIEC GPVHTAFMEK VLGSPPEEVL
RTDIHTFHFRF YQYLAHRSKQV FREAAQNPEE VAEVFLTALR APKPTLRYFT TERFLPLLRL RLDDPSGSNY VTAMHREVFG
DVPKAEAGA EAGGGAGPGA EDEAGRGAVG DPELGDPPAA PQ

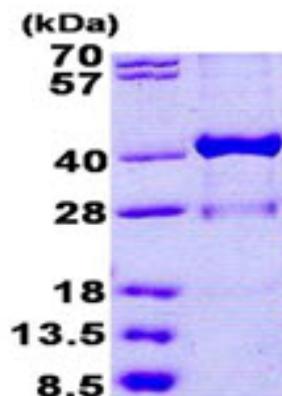
General References

Qiu W., et al. (2002) FASEB J. 16:1829-1831

Gangloff A. (2003) FASEB J. 17:274-276

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)