

AR50925PU-S

Human 17-beta-HSD1 / HSD17B1 (1-328, His-tag) - Purified

Alternate names:

17-beta-hydroxysteroid dehydrogenase type 1, 17E2DH, 20 alpha-hydroxysteroid dehydrogenase, 20-alpha HSD, E17KSR, EDH17B1, EDH17B2, EDHB17, Estradiol 17-beta-dehydrogenase 1, Placental 17-beta-hydroxysteroid dehydrogenase

Quantity:

50 µg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P14061](#)

NCBI:

[NP_000404](#)

GeneID:

[3292](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human HSD17B1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMMARTVV LITGCSSGIG LHLAVRLASD PSQSFVKYAT
LRDLKTQGR LWEAARALACP PGSLETLQLD VRDSKSVAAA RERVTEGRVD VLVCNAGLGL
LGPLEALGED AVASVLDVNV VGTVRMLQAF LPDMKRRGSG RVLVTGSGVG LMGLPFNDVY
CASKFALEGL CESLAVLLLP FGVHLSLIEC GPVHTAFMEK VLGSPPEEVLDTDIHTFHFRF
YQYLAHSKQV FREAAQNPEE VAEVFLTALR APKPTLRYFT TERFLPLLRLDDPSGNSY
VTAMHREVFG DVPAKAEAGA EAGGGAGPGA EDEAGRGAVG DPELGDPPAA PQ

Molecular weight: 37.5 kDa (352aa) confirmed by MALDI-TOF

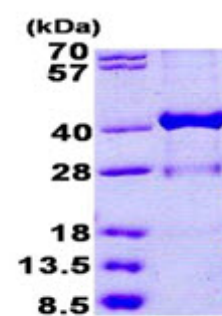
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Qiu W., et al. (2002) FASEB J. 16:1829-1831 Gangloff A. (2003) FASEB J. 17:274-276

Pictures:



15% SDS-PAGE (3ug)