

HSD17B1, 1-328aa, Human, His tag, E.coli

Cat.NO.: TP02509

3th Edition

Synonyms:Estradiol 17-beta-dehydrogenase 1, EDH17B2, EDHB17, HSD17, SDR28C1

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 using conventional chromatography techniques.

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

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMARTVVLITGCSSGIGLHLAVRLASDPSQSFKVYATLRDLKTQGRLWEAAR
ALACPPGSLETQLQDVRDSKSVAAARERVTEGRVDVLVCNAGLGLLGPLEALGEDAVASVLDVNVVGTVRMLQAFL
PDMKRRGSGRVLVTGSGGLMGLPFNDVYCASKFALEGLCESLAVLLLPGFVHLSLIECGPVHTAFMEKVLGSPEE
VLDRTDIHTFHRFYQYLAHASKQVFREAAQNPEEVAEVFLTALRAPKPTLRYFTTERFLPLLRMLDDPSGSNYVTAM
HREVFVDVPAKAEAGAEAGGGAGPGAEDAEAGRGAVGDPELGDPPAAPQ

Purity:> 95% by HPLC

Concentration:1 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.