

32-2454: HSD17B1 Recombinant Protein

Alternative Name :

Estradiol 17-beta-dehydrogenase 1, EC 1.1.1.62, 17-beta-hydroxysteroid dehydrogenase type 1, 17-beta-HSD 1, 20 alpha-hydroxysteroid dehydrogenase, 20-alpha-HSD, E2DH, Placental 17-beta-hydroxysteroid dehydrogenase, HSD17B1, E17KSR, EDH17B1, EDH17B2,

Description

Source : Escherichia Coli. HSD17B1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 352 amino acids (1-328 a.a) and having a molecular mass of 37.5kDa. HSD17B1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Estradiol 17-beta-dehydrogenase 1 (HSD17B1) is a member of the short-chain dehydrogenases/reductases (SDR) family. The HSD17B1 protein advances the reduction of estrogens and androgens. In addition, the HSD17B1 has a 20-alpha-HSD activity. HSD17B1 preferentially uses NADH.

Product Info

Amount : 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : HSD17B1 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SGLVPRGSH MGSHMARTVV LITGCSSGIG LHLAVRLASD PSQSFKVYAT LRD LKTQGR LWEAARALACP PGSLETLQLD VRDSKSVAAA RERVTEGRVD VLVCNAGLGL LGPLEALGED AVASVLDVNV VGTVRMLQAF LPDMKRRGSG RVLVTGVS VGG LMGLPFNDVY CASKFALEGL CESLAVLLLP FGVHLSLIEC GPVHTAFMEK VLGSPPEVLD RTDIHTFHRF YQYLAH SKQV FREAAQNPEE VAEVFLTALR APKPTLRYFT TERFLPLLRM RLDDPSGSNY VTAMHRE VFG DVPAKAEAGA EAGGGAGPGA EDEAGRGA VG DP ELGDPPAA PQ.

