

Hydroxysteroid (17-beta) Dehydrogenase 1 Human Recombinant

Item Number	rAP-1038
Synonyms	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, EDHB1
Description	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.
Uniprot Accession Number	P14061
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMARTVV LITGCSSGIG LHLAVRLASD PSQSFKVVAT LRDLKTQGRL WEAARALACP PGSLETQLD VRDSKSVAAA RERVTEGRVD VLVCNAGLGL LGPLALGED AVASVLDVNV VGTVRMLQAF LPDMKRRGSG RVLVTGSGVG LMGLPFNDVY CASKFALEGL CESLAVLLLP FGVHLSLIEC GPVHTAFMEK VLGSPEEVLD RTDIHTFHRF YQYLAHSKQV FREAAQNPEE VAEVFLTALR APKPTLRYFT TERFLPLLRM RLDDPSGSNY VTAMHREVFG DVPA- KAEAGA EAGGGAGPGA EDEAGRGAVG DPELGDP PAA PQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	HSD17B1 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**