
Product Data Sheet

Product Name: HSD17B1 Human
 Cat. No.: GP21812
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	E2 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; EDHB17; HSD17; SDR28C1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMARTVV LITGCSSGIG LHLAVRLASD PSQSFKVYAT LRD LKTQGR L WEAARALACP PGSLETLQLD VRDSKSVAAA RERVTEGRVD VLVCNAGLGL LGPLEALGED AVASVLDVNV VGTVRMLQAF LPDMKRRGSG RVLVTGSVGG LMGLPFNDVY CASKFALEGL CESLAVLLLP FGVHLSLIEC GPVHTAFMEK VLGSPPEEVLDTDIHTFHRF YQYLAHRSKQV FREAAQNPEE VAEVFLTALR APKPTLRYFT TERFLPLLRM RLDDPSGSNY VTAMHREVFV DVPKAEAGA EAGGGAGPGA EDEAGRGAVG DPELGDPPAA PQ.		
Formulation	HSD17B1 solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

E2 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.

Stability

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

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.

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