

17-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD17b1) Active Protein | HSD17b1 active protein

Active 17-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD17b1)

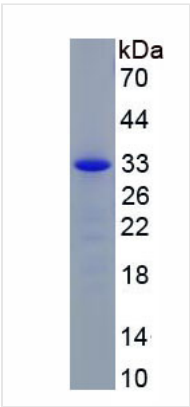
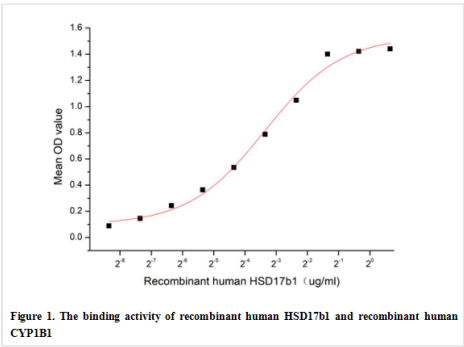
CATALOG # AAA153130	HOST E coli	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

17-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD17b1); Active 17-Beta-Hydroxysteroid Dehydrogenase Type 1 (HSD17b1); 17-Beta-Hydroxysteroid Dehydrogenase Type 1; HSD17b1 active protein (prokaryotic); Human; EDH17B2; EDHB17; HSD17; SDR28C1; Estradiol 17-Beta-Dehydrogenase 1; Short Chain Dehydrogenase/Reductase Family 28CE; 1; 20 alpha-hydroxysteroid dehydrogenase; HSD17b1 active protein

PRODUCT SPECIFICATIONS

Host	E coli
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Thr4~Pro289
Applicable Applications for HSD17b1 active protein	Activity Assay, Cell Culture
Expression System	Prokaryotic expression
Species	Human
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	6.7
Research Area	Enzyme & Kinase
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.



Bioactivity
Hydroxysteroid (17beta) dehydrogenase 1 (HSD17b1) is a steroidogenic enzyme that especially catalyzes the conversion of low potent 17keto-steroids to highly potent 17beta-hydroxysteroids. It has a dual function in estrogen activation and androgen inactivation.

ADDITIONAL INFORMATION

Product Categories/Family for HSD17b1 active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	223718074
NCBI GeneID	3292
NCBI Accession #	NP_000404.2
NCBI GenBank Nucleotide #	NM_000413.2
UniProt Accession #	P14061; Q2M2L8; B3KXS1
Molecular Weight	34,950 Da
NCBI Official Full Name	estradiol 17-beta-dehydrogenase 1
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 1
NCBI Official Symbol	HSD17B1
NCBI Official Synonym Symbols	HSD17; EDHB17; EDH17B2; SDR28C1
NCBI Protein Information	estradiol 17-beta-dehydrogenase 1; 17-beta-HSD 1; 17-beta-hydroxysteroid dehydrogenase type 1; 20 alpha-hydroxysteroid dehydrogenase; 20-alpha-HSD; E2DH; estradiol 17-beta-dehydrogenase-1; hydroxysteroid (17-beta) dehydrogenase 1 isoform; placental 17-bet
UniProt Protein Name	Estradiol 17-beta-dehydrogenase 1
UniProt Gene Name	HSD17B1
UniProt Synonym Gene Names	E17KSR; EDH17B1; EDH17B2; EDHB17; 17-beta-HSD 1; 20-alpha-HSD
UniProt Entry Name	DHB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.