Recombinant Human HSD17B2, GST-tagged

Cat. No. HSD17B2-206H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSD17B2(1 a.a. - 387 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	Estradiol 17-beta-dehydrogenase 2 is an enzyme that in humans is encoded by the HSD17B2 gene.
Molecular Mass	68.31 kDa
AA Sequence	MSTFFSDTAWICLAVPTVLCGTVFCKYKKSSGQLWSWMVCLAGLCAVCLLILSPFW GLILFSVSCFLMYTYLSGQ ELLPVDQKAVLVTGGDCGLGHALCKYLDELGFTVFAGV LNENGPGAEELRRTCSPRLSVLQMDITKPVQIKDAYS KVAAMLQDRGLWAVINNAG VLGFPTDGELLLMTDYKQCMAVNFFGTVEVTKTFLPLLRKSKGRLVNVSSMGGGAP MERLASYGSSKAAVTMFSSVMRLELSKWGIKVASIQPGGFLTNIAGTSDKWEKLEKD ILDHLPAEVQEDYGQDYI LAQRNFLLLINSLASKDFSPVLRDIQHAILAKSPFAYYTPG KGAYLWICLAHYLPIGIYDYFAKRHFGQDKPMPR ALRMPNYKKKAT
Applications	ELISA; WB-Re; AP; Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HSD17B2 hydroxysteroid (17-beta) dehydrogenase 2 [Homo sapiens (human)]
Official Symbol	HSD17B2
Synonyms	HSD17B2; hydroxysteroid (17-beta) dehydrogenase 2; estradiol 17-beta-dehydrogenase 2; HSD17; SDR9C2; short chain dehydrogenase/reductase family 9C; member 2; 17 beta HSD 2; 20 alpha HSD; 20 alpha hydroxysteroid dehydrogenase; E2DH; Microsomal 17 beta hydroxysteroid dehydrogenase; Testosterone 17 beta dehydrogenase; E2DH; 20-alpha-HSD; 17-beta-HSD 2; OTTHUMP00000174979; testosterone 17-beta-dehydrogenase; 20 alpha-hydroxysteroid dehydrogenase; 17-beta-hydroxysteroid dehydrogenase type 2; microsomal 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 9C, member 2; EDH17B2
Gene ID	3294
mRNA Refseq	NM_002153
Protein Refseq	NP_002144
MIM	109685
UniProt ID	P37059
Chromosome Location	16q24.1-q24.2

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Pathway	Metabolic pathways; Ovarian steroidogenesis; Steroid Biosynthesis
Function	17-alpha,20-alpha-dihydroxypregn-4-en-3-one dehydrogenase activity; estradiol 17-beta-dehydrogenase activity; testosterone dehydrogenase (NAD+) activity

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