Recombinant Human HSD17B3, GST-tagged

Cat. No. HSD17B3-13959H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSD17B3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	25-177a.a.
Description	This isoform of 17 beta-hydroxysteroid dehydrogenase is expressed predominantly in the testis and catalyzes the conversion of androstenedione to testosterone. It preferentially uses NADP as cofactor. Deficiency can result in male pseudohermaphroditism with gynecomastia.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	HSD17B3 hydroxysteroid (17-beta) dehydrogenase 3 [Homo sapiens]
Official Symbol	HSD17B3

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	HSD17B3; hydroxysteroid (17-beta) dehydrogenase 3; testosterone 17-beta-dehydrogenase 3; SDR12C2; short chain dehydrogenase/reductase family 12C; member 2; 17-beta-HSD3; 17-beta-HSD 3; 17-beta-hydroxysteroid dehydrogenase type 3; testicular 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 12C, member 2; EDH17B3;
Gene ID	3293
mRNA Refseq	NM_000197
Protein Refseq	NP_000188
MIM	605573
UniProt ID	P37058
Chromosome Location	9q22
Pathway	Androgen biosynthesis, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Metabolism of steroid hormones and vitamins A and D, organism-specific biosystem; Steroid Biosynthesis, organism-specific biosystem; Steroid hormone biosynthesis, organism-specific biosystem;
Function	estradiol 17-beta-dehydrogenase activity; nucleotide binding; oxidoreductase activity; testosterone 17-beta-dehydrogenase (NAD+) activity; testosterone 17-beta-dehydrogenase (NADP+) activity;

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