HSD17B3 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	HSD17B3, Lysate
Full Product Name	Human HSD17B3 Protein Lysate
Product Gene Name	HSD17B3 lysate
Product Synonym Names	HSD17B3; EDH17B3; SDR12C2
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	29,109 Da
OMIM	264300
3D Structure	ModBase 3D Structure for P37058
Related Product Information for HSD17B3 lysate	Human HSD17B3 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of HSD17B3 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HSD17B3 purchase	MBS8413190 is a lysate targeting HSD17B3. Also known as Human HSD17B3 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSD17B3. It may not necessarily be applicable to this product.

NCBI GI #	4557649
NCBI GeneID	3293
NCBI Accession #	NP_000188
UniProt Primary Accession #	P37058
UniProt Secondary Accession #	Q5U0Q6
UniProt Related Accession #	P37058
GenBank Nucleotide #	NM_000197
NCBI Official Full Name	testosterone 17-beta-dehydrogenase 3
NCBI Official Synonym Full Names	hydroxysteroid (17-beta) dehydrogenase 3
NCBI Official Symbol	HSD17B3
NCBI Official Synonym Symbols	EDH17B3; SDR12C2
UniProt Protein Name	Testosterone 17-beta-dehydrogenase 3

UniProt Synonym Protein Names	17-beta-hydroxysteroid dehydrogenase type 3; 17-beta-HSD 3; Testicular 17-beta-hydroxysteroid dehydrogenase
Protein Family	Testosterone 17-beta-dehydrogenase
UniProt Gene Name	HSD17B3
UniProt Synonym Gene Names	EDH17B3; 17-beta-HSD 3
UniProt Entry Name	DHB3_HUMAN
NCBI Protein Information	testosterone 17-beta-dehydrogenase 3; 17-beta-HSD 3; 17-beta-HSD3; 17-beta-hydroxysteroid dehydrogenase type 3; short chain dehydrogenase/reductase family 12C, member 2; testicular 17-beta-hydroxysteroid dehydrogenase
UniProt Comments for HSD17B3	HSD17B3: Favors the reduction of androstenedione to testosterone. Uses NADPH while the two other EDH17B enzymes use NADH. Defects in HSD17B3 are the cause of male pseudohermaphrodism with gynecomastia (MPH). These individuals have unambiguous female external genitalia at birth, but fail to menstruate at the time of expected puberty and instead virilize as evidenced by growth of the phallus. Breast development may or may not take place. Belongs to the short-chain dehydrogenases/reductases (SDR) family. 17-beta-HSD 3 subfamily. Protein type: EC 1.1.1.64; Oxidoreductase; Lipid Metabolism - androgen and estrogen Chromosomal Location of Human Ortholog: 9q22 Cellular Component: endoplasmic reticulum membrane; intracellular membrane-bound organelle Molecular Function: testosterone 17-beta-dehydrogenase (NADP+) activity Biological Process: steroid metabolic process; male genitalia development; androgen biosynthetic process Disease: 17-beta Hydroxysteroid Dehydrogenase Iii Deficiency
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