

# Recombinant Full Length Human HSD17B4 Protein, C-Flag-tagged

**Cat. No.** HSD17B4-429HFL    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human HSD17B4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	The protein encoded by this gene is a bifunctional enzyme that is involved in the peroxisomal beta-oxidation pathway for fatty acids. It also acts as a catalyst for the formation of 3-ketoacyl-CoA intermediates from both straight-chain and 2-methyl-branched-chain fatty acids. Defects in this gene that affect the peroxisomal fatty acid beta-oxidation activity are a cause of D-bifunctional protein deficiency (DBPD). An apparent pseudogene of this gene is present on chromosome 8. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	79.5 kDa
<b>AA Sequence</b>	<p>MGSP<sup>L</sup>RFDGRV<sup>L</sup>VTGAGAGLGRAYALFAER<sup>G</sup>ALVVVNDLGGDFKGVGK<sup>G</sup>SLAA            DKVVEEIRRRGGKAV ANYDSVEEGEKV<sup>V</sup>KTALDAFGRIDVVVNNAGILRDRSFARIS            DEDWDIIHRVHLRGSFQVTRAAWEHMKK QKYGRIIMTSSASGIYGNF<sup>G</sup>QANYSAAK            LGLLGLANSLAIEGRKSN<sup>I</sup>HCNTIAPNAGSRMTQTVMPE<sup>D</sup>LV EALKPEYVAPLVLWL            CHESCEENGGLFEVGAGWIGKLRWERTLGAIVRQKNHPMTPEAVKANWKKICDFE</p>

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NASKPQSIQESTGSIIEVLSKIDSEGGV SANHTSRATSTATSGFAGAIGQKLPPFSYA  
 YTELEAIMYALG VGASIKDPKDLKFIYEGSSDFSCLPFGVIIGQKSMMGGGLAEIPG  
 LSINFAKVLHGEQYLELYKPLPRA GCLKCEAVVADVLDKSGGVIIIMDVYSYSEKELI  
 CHNQFSLFLVGGGFGGKRTSDKVKVAVAIPNRPPD AVLDTTSLNQAALYRLSGD  
 WNPLHIDPNFASLAGFDKPIHGLCTFGFSARRVLQQFADNDVSRFKAIAK ARFAKPV  
 YPGQTLQTEMWKEGNRIHFQTKVQETGDIVISNAYVDLAPTSAGTSAKTPSEGGKLG  
 STFVFEE IGRRLKDIGPEVVKKVNAVFEWHITKGGNIGAKWTIDLKSGSGKVYQGPA  
 KGAADTTIILSDEDFMEVVLGKLDPQKAFFSGRLKARGNIMLSQKLQMLKDYAKL

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome
<b>Protein Pathways</b>	Metabolic pathways, Primary bile acid biosynthesis
<b>Full Length</b>	Full L.

## GENE INFORMATION

**Gene Name** HSD17B4 hydroxysteroid 17-beta dehydrogenase 4 [ Homo sapiens (human) ]

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Official Symbol</b>	<a href="#">HSD17B4</a>
<b>Synonyms</b>	DBP; MFE-2; MFP-2; MPF-2; PRLTS1; SDR8C1
<b>Gene ID</b>	<a href="#">3295</a>
<b>mRNA Refseq</b>	<a href="#">NM_000414.4</a>
<b>Protein Refseq</b>	<a href="#">NP_000405.1</a>
<b>MIM</b>	<a href="#">601860</a>
<b>UniProt ID</b>	<a href="#">P51659</a>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA