

Recombinant Full Length Human HSD17B4 Protein, GST-tagged

Cat. No. HSD17B4-712HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human HSD17B4(1 a.a. - 736 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	736 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	107.36 kDa
AA Sequence	MGSPLRFDGR VVLVTGAGAG LGRAYALAF A ERGALVVVND LGGDFKGVGK GSLAADKVVE EIRRRGGKAV ANYDSVEEGE KVVKTALDAF GRIDVVVNNA GILRDRSFAR ISDEDWDIIH RVHLRGSFQV TRAAWEHMKK QKYGRIIMTS SASGIYGNFG QANYSAAKLG LLGLANSLAI EGRKSNIHCN TIAPNAGSRM

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TQTVTPEDLV EALKPEYVAP LVLWLCHESC EENGGLFEVG AGWIGKLRWE
 RTLGAIVRQK NHPMTPEAVK ANWKKICDFE NASKPQSIQE STGSIIEVLS
 KIDSEGGVSA NHTSRATSTA TSGFAGAIGQ KLPPFSYAYT ELEAIMYALG
 VGASIKDPKD LKFIYEGSSD FSCLPFTGVI IGQKSMMGGG LAEIPGLSIN
 FAKVLHGEQY LELYKPLPRA GKLKCEAVVA DVLDKSGSGVV IIMDVYSYSE
 KELICHNQFS LFLVGSGGFG GKRTSDKVKV AVAIPNRPPD AVLTDTTSLN
 QAALYRLSGD RNPLHIDPNF ASLAGFDKPI LHGLCTFGFS ARRVLQQFAD
 NDVSRFKAVK ARFAKPVYPG QTLQTEMWKE GNRIHFQTKV QETGDIVISN
 AYVDLAPTSG TSAKTPSEGG KLQSTFVFEE IGRRLKDIGP EVVKKVNAVF
 EWHITKGGNI GAKWTIDLKS GSGKVYQGPA KGAADTTIIL SDEDFMEVVL
 GKLDPPQKAFF SGRLKARGNI MLSQKLQMIL KDYAKL

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION
Gene Name

HSD17B4 hydroxysteroid (17-beta) dehydrogenase 4 [Homo sapiens]

Official Symbol

HSD17B4

Synonyms

HSD17B4; hydroxysteroid (17-beta) dehydrogenase 4; peroxisomal multifunctional enzyme type 2; 3 alpha; 7 alpha; 12 alpha trihydroxy 5 beta cholest 24 enoyl CoA hydratase; 17 beta HSD IV; 17 beta hydroxysteroid dehydrogenase 4; 17beta estradiol dehydrogenase type IV; beta hydroxyacyl dehydrogenase; beta keto reductase; D 3 hydroxyacyl CoA dehydratase; D bifunctional protein; peroxisomal; DBP; MFE 2; peroxisomal multifunctional protein 2; SDR8C1; short chain dehydrogenase/reductase family 8C; member 1; 17-beta-HSD 4; 17-beta-HSD IV;

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beta-keto-reductase; multifunctional protein 2; beta-hydroxyacyl dehydrogenase; D-3-hydroxyacyl-CoA dehydratase; D-bifunctional protein, peroxisomal; 17-beta-hydroxysteroid dehydrogenase 4; 17beta-estradiol dehydrogenase type IV; short chain dehydrogenase/reductase family 8C, member 1; 3-alpha,7-alpha,12-alpha-trihydroxy-5-beta-cholest-24-enoyl-CoA hydratase; MFE-2; MPF-2

Gene ID	3295
mRNA Refseq	NM_000414
Protein Refseq	NP_000405
MIM	601860
UniProt ID	P51659