

Recombinant Full Length Human HSD17B2 Protein, C-Flag-tagged

Cat. No. HSD17B2-99HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HSD17B2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Capable of catalyzing the interconversion of testosterone and androstenedione, as well as estradiol and estrone. Also has 20-alpha-HSD activity. Uses NADH while EDH17B3 uses NADPH.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.6 kDa
AA Sequence	MSTFFSDTAWICLAVPTVLCGTVFCKYKKSSGQLWSWMVCLAGLCAVCLLILSPFW GLILFSVSCFLMYT YLSGQELLPVDQKAVLVTGGDCGLGHALCKYLDELGFTVFAGV LNENGPAGEELRRTCSPRLSVLQMDIT KPVQIKDAYSKVAAMLQDRGLWAVINNAG VLGFPTDGELLMTDYKQCMVNFVGTVEVTKTFLPLLRKS KGRLVNVSSMGGGAP MERLASYGSSKAAVTMFSSVMRLELSKWGIKVASIQPGGFLTNIAGTSDKWEKLE K DILDHLP AEVQEDYGQDYILAQRNLLLINSKDFSPVLRDIQHAILAKSPFAYYTP GKGAYLWICL AHYLP IGIYDYFAKRHFGQDKPMPRALRMPNYKKKATTRTRPLEQKLISEEDLAANDI LDYKDDDDKV

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

GENE INFORMATION

Gene Name	HSD17B2 hydroxysteroid 17-beta dehydrogenase 2 [Homo sapiens (human)]
Official Symbol	HSD17B2
Synonyms	HSD17; SDR9C2; EDH17B2
Gene ID	3294
mRNA Refseq	NM_002153.3
Protein Refseq	NP_002144.1

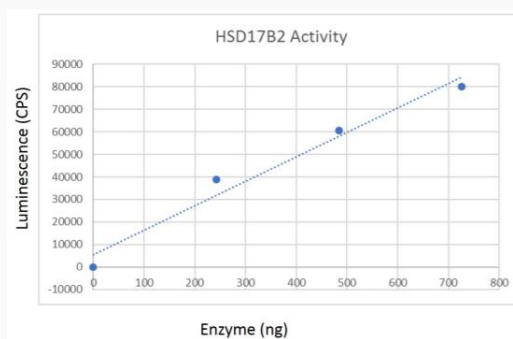
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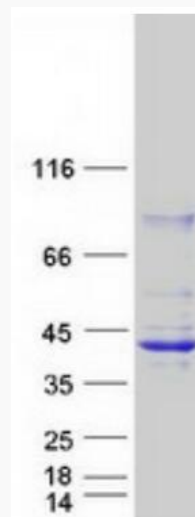
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MIM 109685

UniProt ID P37059



HSD17B2 enzymatic activity with 75μM βestradiol as a substrate, measured by NADH production (indicated by luminescence).



Coomassie blue staining of purified HSD17B2 protein.

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