

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
 VLGFPDGEELLMTDYKQCMAVNFFGTVEVTKTFLPLLRKS KGRLVNVSSMGGGAP
 MERLASYGSSKAAVTFSSVMRLELSKWGIKVASIQPGGFLTNIAGTSDKWEKLE K
 DILDHLPAEVQEDYGQDYILAQRNLLLLINSLASKDFSPVLRDIQHAILAKSPFAYYTP
 GKGAYLWICL
 AHYLPIGIYDYFAKRHFGQDKPMPRALRMPNYKKKATTRTRPLEQKLISEEDLAANDI
 LDYKDDDDKV

 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

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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 |

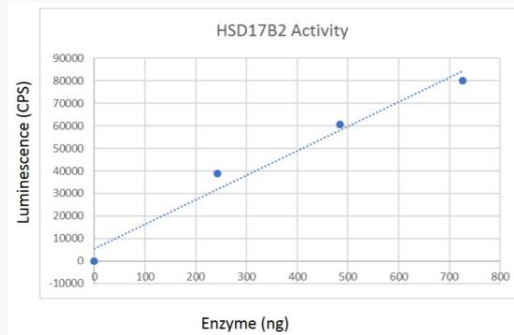
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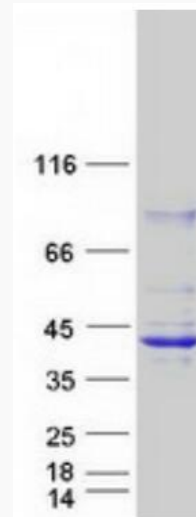
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MIM 109685

UniProt ID P37059



HSD17B2 enzymatic activity with 75 μ M β estradiol as a substrate, measured by NADH production (indicated by luminescence).



Coomassie blue staining of purified HSD17B2 protein.

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