

Recombinant Human HSD17B2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSD17B2-1364H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

HSD17B2 MS Standard C13 and N15-labeled recombinant protein (NP_002144) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

42.8 kDa

AA Sequence

MSTFFSDTAWICLAVPTVLCGTVFCKYKKSSGQLWSWMVCLAGLCVCLLILSPFW
 GLILFSVSCFLMYTYLSGQELLPVDQKAVLVTGGDCGLGHALCKYLDELGFTVFAGV
 LNENGPAAEELRRTCSPRLSVLQMDITKPVQIKDAYSKVAAMLQDRGLWAVINNAG
 VLGFPDGEELLMTDYKQCMVNFVGTVEVTKTFLPLLRKSKGRLVNVSSMGGGAP
 MERLASYGSSKAAVTFSSVMRLELSKWGIKVASIQGGFLTNIAGTSDKWEKLEKD
 ILDHLPAEVQEDYGQDYILAQRNLLLINSLASKDFSPVLRDIQHAILAKSPFAYYTPG
 KGAYLWICLAHYLPIGIYDYFAKRHFGQDKPMPRALRMPNYKKKATTRTRPLEQKLIS
 EEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

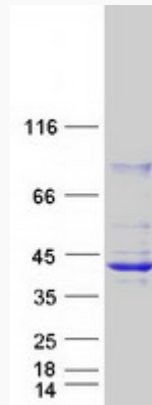
Gene Name	HSD17B2 hydroxysteroid 17-beta dehydrogenase 2 [Homo sapiens (human)]
Official Symbol	HSD17B2
Synonyms	HSD17B2; hydroxysteroid (17-beta) dehydrogenase 2; estradiol 17-beta-dehydrogenase 2; HSD17; SDR9C2; short chain dehydrogenase/reductase family 9C; member 2; E2DH; 20-alpha-HSD; 17-beta-HSD 2; testosterone 17-beta-dehydrogenase; 20 alpha-hydroxysteroid dehydrogenase; 17-beta-hydroxysteroid dehydrogenase type 2; microsomal 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 9C, member 2; EDH17B2;
Gene ID	3294
mRNA Refseq	NM_002153
Protein Refseq	NP_002144
MIM	109685
UniProt ID	P37059

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SDS-PAGE



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