

## Product datasheet for PH301734

### ERAB (HSD17B10) (NM\_004493) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HSD17B10 MS Standard C13 and N15-labeled recombinant protein (NP_004484)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201734
Predicted MW:	26.9 kDa
Protein Sequence:	>RC201734 protein sequence Red=Cloning site Green=Tags(s)  MAAACRSVKGLVAVITGGASGLGLATAERLVGQGASAVLLDLPNSGGEAQAKKLGNNCVFAPADVTSEKD VQTALALAKGKFRVDVAVNCAGIAVASKTYNLKKGQHTHTLEDFQRVLDVNLMGTFNVIRLVAGEMGQNE PDQGGQRGVIINTASVAAFEGQVQAAYSASKGGIVGMTLPIARDLAPIGIRVMTIAPGLFGTPLLTSLP EKVCNFLASQVFPFRLGDPAEYAHLVQAIENPFLNGEVIRLDGAIRMQP  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004484</a>
RefSeq Size:	963
RefSeq ORF:	783
Synonyms:	17b-HSD10; ABAD; CAMR; DUPXp11.22; ERAB; HADH2; HCD2; HSD10MD; MHBD; MRPP2; MRX17; MRX31; MRXS10; SCHAD; SDR5C1
Locus ID:	3028



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UniProt ID: [Q99714](#), [AOA0S2Z410](#)

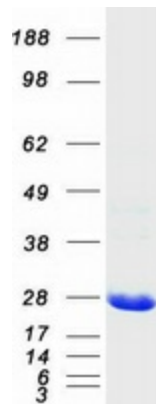
Cytogenetics: Xp11.22

**Summary:** This gene encodes 3-hydroxyacyl-CoA dehydrogenase type II, a member of the short-chain dehydrogenase/reductase superfamily. The gene product is a mitochondrial protein that catalyzes the oxidation of a wide variety of fatty acids and steroids, and is a subunit of mitochondrial ribonuclease P, which is involved in tRNA maturation. The protein has been implicated in the development of Alzheimer disease, and mutations in the gene are the cause of 17beta-hydroxysteroid dehydrogenase type 10 (HSD10) deficiency. Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq, Aug 2014]

**Protein Families:** Druggable Genome

**Protein Pathways:** Alzheimer's disease, Metabolic pathways, Valine, leucine and isoleucine degradation

### Product images:



Coomassie blue staining of purified HSD17B10 protein (Cat# [TP301734]). The protein was produced from HEK293T cells transfected with HSD17B10 cDNA clone (Cat# [RC201734]) using MegaTran 2.0 (Cat# [TT210002]).