

---

**Product Data Sheet**


---

Product Name: HSD17B10 Human  
 Cat. No.: GP23680  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	17b-HSD10; ABAD; CAMR; DUPXp11.22; ERAB; HADH2; HCD2; MHBD; MRPP2; MRX17; MRX31; SCHAD; MRXS10; SDR5C1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MVAVITGGAS GLGLATAERL VGQGASAVLL DLPNSGGEAQ AKKLGNNCVF APADVTSEKD VQTALALAKG KFGRVDVAVN CAGIAVASKT YNLKKGQTH LEDFQRVLDV NLMGTFNVIR LVAGEMGQNE PDQGGQRGVI INTASVAAFE GQVGQAAYSA SKGGIVGRTL PIARDLAIPG IRVMTIAPGL FGTPLLTSLP EKVCNFLASQ VPFPSRLGDP AEYAHLVQAI IENPFLNGEV IRLDGAIRMQ P.		
Formulation	HSD17B10 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT & 10% glycerol.		

**Introduction**

HSD17B10 functions in mitochondrial tRNA maturation. HSD17B10 is part of mitochondrial ribonuclease P, an enzyme composed of MRPP1/RG9MTD1, MRPP2/HSD17B10 and MRPP3/KIAA0391, which cleaves tRNA molecules in their 5'-ends. HSD17B10 interacts with intracellular amyloid-beta, and contributes to the neuronal dysfunction associated with Alzheimer disease.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

HSD17B10 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 271 amino acids (12-261 a.a.) and having a molecular

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

---

---

## Product Data Sheet

---

mass of 28.1 kDa. HSD17B10 protein is fused to a 21 amino acid His-Tag at N-terminus and purified by standard chromatography.

***Caution: Product has not been fully validated for medical applications. For research use only.***

***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***

***Address: 10292 Central Ave. #205, Montclair, CA, USA***