

## HSD17B10 Human

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

**Catalog #:** PRPS-830

For research use only.

**Synonyms:** 17b-HSD10, ABAD, CAMR, DUPXp11.22, ERAB, HADH2, HCD2, MHBD, MRPP2, MRX17, MRX31, SCHAD, MRXS10, SDR5C1.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHH SSGLVPRGSH MVAITGGAS GLGLATAERL  
VGQGASAVLL DLPNSGGEAQ AKKLGNNCVF APADVTSEKD VQTALALAKG KFGRVDVAVN  
CAGIAVASKT YNLKKGQTHL LEDFQRVLDV NLMGTFNVIR LVAGEMGQNE PDQGGQRGVI  
INTASVAAFE QGVGQAAYSA SKGGIVGMTL PIARDLAPIG IRVMTIAPGL FGTPLLTSLP  
EKVCNFLASQ VP

**Purity:** Greater than 95% as determined by SDS-PAGE.

**Formulation:**

HSD17B10 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 1mM DTT & 10% glycerol.

**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.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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