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Datasheet for ABIN5711745

## HSD17B10 Protein (AA 2-261) (His-SUMO Tag)

### 1 Image

#### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 100 µg   |
| Target:                       | HSD17B10   |
| Protein Characteristics:      | AA 2-261   |
| Origin:                       | Human  |
| Source:                       | Escherichia coli (E. coli)                           |
| Protein Type:                 | Recombinant  |
| Purification tag / Conjugate: | This HSD17B10 protein is labelled with His-SUMO Tag. |
| Application:                  | SDS-PAGE (SDS)                                       |

#### Product Details

Sequence: AAACRSVKGL VAVITGGASG LGLATAERLV GQGASAVLLD LPNSGGEAQA KKLGNNCVFA  
PADVTSEKDV QTALALAKGK FGRVDVAVNC AGIAVASKTY NLKKGQHTL EDFQRVLDVN  
LMGTFNVIRL VAGEMGQNEP DQGGQRGVII NTASVAAFEG QVGQAAYSAS KGGIVGMTLP  
IARDLAPIGI RVMTIAPGLF GTPLLTSLPE KVCNFLASQV PFPSRLGDPA EYAHLVQAI  
ENPFLNGEVI RLDGAIRMQP

Purification: SDS-PAGE

Purity: > 90 %

#### Target Details

Target: HSD17B10

Alternative Name: HCD2 ([HSD17B10 Products](#))

## Target Details

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**Background:** Functions in mitochondrial tRNA maturation. Part of mitochondrial ribonuclease P, an enzyme composed of MRPP1/TRMT10C, MRPP2/HSD17B10 and MRPP3/KIAA0391, which cleaves tRNA molecules in their 5'-ends. Catalyzes the beta-oxidation at position 17 of androgens and estrogens and has 3-alpha-hydroxysteroid dehydrogenase activity with androsterone. Catalyzes the third step in the beta-oxidation of fatty acids. Carries out oxidative conversions of 7-alpha-OH and 7-beta-OH bile acids. Also exhibits 20-beta-OH and 21-OH dehydrogenase activities with C21 steroids. By interacting with intracellular amyloid-beta, it may contribute to the neuronal dysfunction associated with Alzheimer disease (AD).

**Molecular Weight:** 42.8 kDa

**UniProt:** [Q99714](#)

## Application Details

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**Application Notes:** Optimal working dilution should be determined by the investigator.

**Restrictions:** For Research Use only

## Handling

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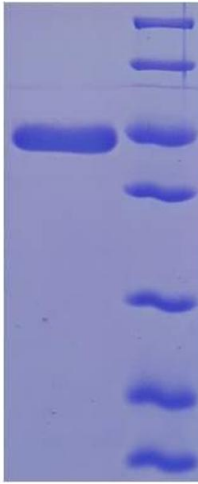
**Format:** Liquid

**Concentration:** 0.1-2 mg/mL

**Buffer:** 20 mM Tris-HCl based buffer, pH 8.0

**Storage:** -80 °C, 4 °C, -20 °C

**Storage Comment:** Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



### SDS-PAGE

Image 1.