

# Product Information

## MemDX™ Membrane Protein Human HSD17B12 (Hydroxysteroid 17-beta dehydrogenase 12)

### Full Length

Cat. No.: **MPC3467K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human HSD17B12 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

HSD17B12

#### Protein Length

Full length

#### Protein Class

Oxidoreductase

#### TMD

3

#### Sequence

MESALPAAGFLYWVGAGTVAYLALRISYSLFTALRVWGVGNEAGVGPGLG  
EWAVVTGSTDGIGKSYAEELAKHGMKVVLISRSKDKLDQVSSEIKEKFKV  
ETRTIAVDFASEDIDYDIKTGLAGLEIGILVNNVGMSEYEPEYFLDVPLD  
DNVIKKMININILSVCKMTQLVLPGMVERSKGAILNISSGSGMLPVPLLT  
IYSATKTFVDFFSQCLHEEYRSKGVFVQSVLPYFVATKLAKIRKPTLDKP  
SPETFVKSIAIKTVGLQSRTNGYLIHALMGSIISNLP SWIYLKIVMNMNKS  
TRAHYLKKTCKN

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

HSD17B12

**Full Name**

Hydroxysteroid 17-beta dehydrogenase 12

**Introduction**

This gene encodes a very important 17beta-hydroxysteroid dehydrogenase (17beta-HSD) that converts estrone into estradiol in ovarian tissue. This enzyme is also involved in fatty acid elongation.

**Alternative Names**

HSD17B12; KAR; SDR12C1; very-long-chain 3-oxoacyl-CoA reductase; 17-beta-HSD 12; 17-beta-hydroxysteroid dehydrogenase 12; 17beta-HSD type 12; 3-ketoacyl-CoA reductase; estradiol 17-beta-dehydrogenase 12; short chain dehydrogenase/reductase family 12C member 1; steroid dehydrogenase homolog; Hydroxysteroid 17-beta dehydrogenase 12

**Gene ID**

[51144](#)

**UniProt ID**

[Q53GQ0](#)