

# Recombinant Human HSD17B11, His-tagged

**Cat. No.** HSD17B11-13955H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HSD17B11 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                          |
| <b>Species</b>          | Human                                                                                                                                                                |
| <b>Source</b>           | E.coli                                                                                                                                                               |
| <b>ProteinLength</b>    | 15-300a.a.                                                                                                                                                           |
| <b>Description</b>      | Short-chain alcohol dehydrogenases, such as HSD17B11, metabolize secondary alcohols and ketones (Brereton et al., 2001 [PubMed 11165019]).                           |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                            |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol. |

## GENE INFORMATION

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HSD17B11 hydroxysteroid (17-beta) dehydrogenase 11 [ Homo sapiens ]          |
| <b>Official Symbol</b> | HSD17B11                                                                     |
| <b>Synonyms</b>        | HSD17B11; hydroxysteroid (17-beta) dehydrogenase 11; dehydrogenase/reductase |

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(SDR family) member 8 , DHRS8; estradiol 17-beta-dehydrogenase 11; 17 BETA HSD11; 17 BETA HSDXI; PAN1B; retinal short chain dehydrogenase/reductase 2; RetSDR2; SDR16C2; short chain dehydrogenase/reductase family 16C; member 2; 17-BETA-HSD11; 17-BETA-HSDXI; 17-beta-HSD 11; 17-beta-HSD XI; CTCL tumor antigen HD-CL-03; CTCL-associated antigen HD-CL-03; 17-beta-hydroxysteroid dehydrogenase 11; 17-beta-hydroxysteroid dehydrogenase XI; T-cell lymphoma-associated antigen HD-CL-03; dehydrogenase/reductase SDR family member 8; 17-beta-hydroxysteroid dehydrogenase type XI; dehydrogenase/reductase (SDR family) member 8; retinal short-chain dehydrogenase/reductase 2; cutaneous T-cell lymphoma-associated antigen HD-CL-03; short chain dehydrogenase/reductase family 16C, member 2; DHRS8; RETSDR2; 17BHSD11;

|                            |                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | <a href="#">51170</a>                                                                         |
| <b>mRNA Refseq</b>         | <a href="#">NM_016245</a>                                                                     |
| <b>Protein Refseq</b>      | <a href="#">NP_057329</a>                                                                     |
| <b>MIM</b>                 | <a href="#">612831</a>                                                                        |
| <b>UniProt ID</b>          | <a href="#">Q8NBQ5</a>                                                                        |
| <b>Chromosome Location</b> | 4q22.1                                                                                        |
| <b>Function</b>            | estradiol 17-beta-dehydrogenase activity; nucleotide binding; steroid dehydrogenase activity; |