

## Recombinant Human HSD17B12, GST-tagged

Cat. No. HSD17B12-46H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human HSD17B12(1 a.a. - 98 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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.
<b>Molecular Mass</b>	36.7 kDa
<b>AA Sequence</b>	MESALPAAGFLYWVGAGTVAYLALRISYSLFTALRVWVGNEAGVGPGLGEWAVV TGSTDGIGKSYAEELAKHGM KVVLIIRSKDKLDQVSSEISNYT
<b>Applications</b>	ELISA; WB-Re; AP; Array
<b>Storage</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

### GENE INFORMATION

<b>Gene Name</b>	HSD17B12 hydroxysteroid (17-beta) dehydrogenase 12 [Homo sapiens]
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<b>Official Symbol</b>	HSD17B12
<b>Synonyms</b>	HSD17B12; hydroxysteroid (17-beta) dehydrogenase 12; 17beta-HSD type 12; KAR; estradiol 17-beta-dehydrogenase 12; SDR12C1; short chain dehydrogenase/reductase family 12C, member 1; 17-beta-HSD 12; steroid dehydrogenase homolog; 17-beta-hydroxysteroid dehydrogenase 12; EC 1.1.1.62; 3-ketoacyl-CoA reductase; EC 1.3.1.-; OTTHUMP00000232808
<b>Gene ID</b>	<a href="#">51144</a>
<b>mRNA Refseq</b>	<a href="#">NM_016142</a>
<b>Protein Refseq</b>	<a href="#">NP_057226</a>
<b>MIM</b>	<a href="#">609574</a>
<b>UniProt ID</b>	<a href="#">Q53GQ0</a>
<b>Chromosome Location</b>	11p11.2
<b>Pathway</b>	Androgen biosynthesis; Fatty acid biosynthesis; Metabolism
<b>Function</b>	collagen binding; estradiol 17-beta-dehydrogenase activity; fibronectin binding; heparin binding; protein binding

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