

Recombinant Human HSD17B12, GST-tagged

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

SPECIFICATION

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

GENE INFORMATION

Gene Name	HSD17B12 hydroxysteroid (17-beta) dehydrogenase 12 [Homo sapiens]
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Official Symbol	HSD17B12
Synonyms	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
Gene ID	51144
mRNA Refseq	NM_016142
Protein Refseq	NP_057226
MIM	609574
UniProt ID	Q53GQ0
Chromosome Location	11p11.2
Pathway	Androgen biosynthesis; Fatty acid biosynthesis; Metabolism
Function	collagen binding; estradiol 17-beta-dehydrogenase activity; fibronectin binding; heparin binding; protein binding