

Recombinant Human HSD17B12 protein, His-tagged

Cat. No. HSD17B12-1409H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HSD17B12 aa. (Met1~Asn312 fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Asn312
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.
Form	Freeze-dried powder
Molecular Mass	38kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>98%
Characteristic	The isoelectric point is 9.3.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	HSD17B12 hydroxysteroid 17-beta dehydrogenase 12 [Homo sapiens (human)]
Official Symbol	HSD17B12
Synonyms	HSD17B12; hydroxysteroid 17-beta dehydrogenase 12; 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
Gene ID	51144
mRNA Refseq	NM_016142.2

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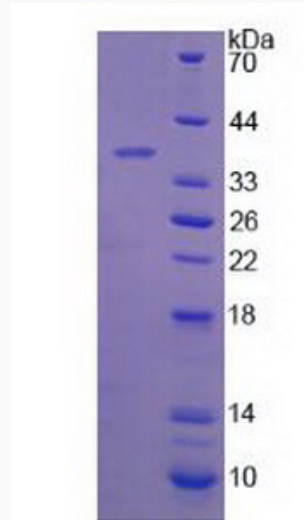
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Protein Refseq NP_057226.1

UniProt ID Q53GQ0

SDS-PAGE



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