

Recombinant Human HSD17B8, His-tagged

Cat. No. HSD17B8-3499H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSD17B8 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	HSD17B8, also known as estradiol 17-beta-dehydrogenase 8, belongs to the short-chain dehydrogenases/reductases (SDR) family. In mice, the Ke6 protein is a 17-beta-hydroxysteroid dehydrogenase that can regulate the concentration of biologically active estrogens and androgens. It is preferentially an oxidative enzyme and inactivates estradiol, testosterone, and dihydrotestosterone. However, the enzyme has some reductive activity and can synthesize estradiol from estrone. It may play a role in biosynthesis of fatty acids in mitochondria.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 150mM NaCl
Molecular Weight	29.1 kDa (281aa), confirmed by MALDI-TOF
Purity	> 95% by SDS - PAGE
Concentration	0.5 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MASQLQNRLR SALALVTGAG SGIGRAVSVR LAGEGATVAACDLDRAAAQE TVRLLGGPGS KEGPPRGNHAAFQADVSEAR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AARCLLEQVQ ACFSRPPSVV VSCAGITQDE FLLHMSEDDW DKVIAVNLKG
 TFLVTQAAAQ ALVSNGCRGS IINISSIVGKVGNGVQNTNYA ASKAGVIGLT
 QTAARELGRH GIRCNSVLPG FIATPMTQKV PQKVVDKITE MIPMGHLGDP
 EDVADVVAFL ASED SGYITGTSVEVTGGLF M

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name

[HSD17B8 hydroxysteroid \(17-beta\) dehydrogenase 8 \[Homo sapiens \]](#)

Synonyms

hydroxysteroid (17-beta) dehydrogenase 8; KE6; FABG; HKE6; FABGL; RING2; H2-KE6; SDR30C1; D6S2245E; dJ1033B10.9; estradiol 17-beta-dehydrogenase 8; ke-6; protein Ke6; 17-beta-HSD 8; estrogen 17-oxidoreductase; testosterone 17-beta-dehydrogenase 8; really interesting new gene 2 protein; HSD17B8; 17-beta-hydroxysteroid dehydrogenase 8; short chain dehydrogenase/reductase family 30C, member 1; 3-oxoacyl-[acyl-carrier-protein] reductase; EC=1.1.1.62; EC=1.1.1.-; EC=1.1.1.63

Gene ID

[7923](#)

mRNA Refseq

[NM_014234](#)

Protein Refseq

[NP_055049](#)

MIM

[601417](#)

UniProt ID

[Q92506](#)

Chromosome

6p21.3

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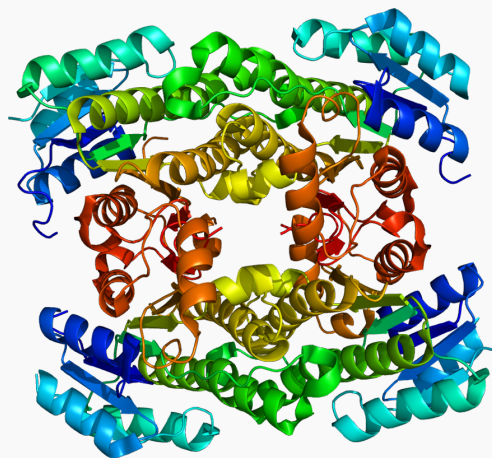
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Location

Function

3-hydroxyacyl-CoA dehydrogenase activity; estradiol 17-beta-dehydrogenase activity; oxidoreductase activity; testosterone 17-beta-dehydrogenase activity; protein binding



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