

Recombinant Human HSD17B8, GST-tagged

Cat. No. HSD17B8-13964H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human HSD17B8 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-261 a.a. |
| Description | <p>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. The protein encoded by this gene is similar to Ke6 and is a member of the short-chain dehydrogenase superfamily. An alternatively spliced transcript of this gene has been detected, but the full-length nature of this variant has not been determined.</p> |
| Storage | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles. |
| Storage Buffer | 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

GENE INFORMATION

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|----------------------------|---|
| Gene Name | HSD17B8 hydroxysteroid (17-beta) dehydrogenase 8 [Homo sapiens] |
| Official Symbol | HSD17B8 |
| Synonyms | HSD17B8; hydroxysteroid (17-beta) dehydrogenase 8; FabG (beta ketoacyl [acyl carrier protein] reductase, E coli) like (E. coli) , FABGL; estradiol 17-beta-dehydrogenase 8; D6S2245E; H2 KE6; HKE6; KE6; RING2; SDR30C1; short chain dehydrogenase/reductase family 30C; member 1; ke-6; protein Ke6; 17-beta-HSD 8; estrogen 17-oxidoreductase; testosterone 17-beta-dehydrogenase 8; really interesting new gene 2 protein; 17-beta-hydroxysteroid dehydrogenase 8; 3-oxoacyl-[acyl-carrier-protein] reductase; short chain dehydrogenase/reductase family 30C, member 1; FABG; FABGL; H2-KE6; dJ1033B10.9; |
| Gene ID | 7923 |
| mRNA Refseq | NM_014234 |
| Protein Refseq | NP_055049 |
| MIM | 601417 |
| UniProt ID | Q92506 |
| Chromosome Location | 6p21.3 |
| Pathway | Metabolic pathways, organism-specific biosystem; Steroid hormone biosynthesis, organism-specific biosystem; Steroid hormone biosynthesis, conserved biosystem; |
| Function | 3-hydroxyacyl-CoA dehydrogenase activity; estradiol 17-beta-dehydrogenase activity; nucleotide binding; oxidoreductase activity; protein binding; testosterone 17-beta- |

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dehydrogenase (NAD+) activity;

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