

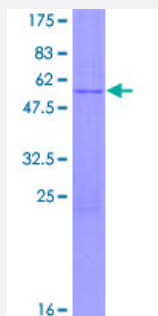
Full-Length

HSD17B8 (Human) Recombinant Protein (P01)

Catalog # H00007923-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HSD17B8 full-length ORF (NP_055049.1, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MASQLQNRLRSALALVTGAGSGIGRAVSVRLAGEGATVAACDLDRAAAQETVRLGGPGSKEGP
PRGNHAAFQADVSEARAARCLLEQVQACFSRPPSVVVSCAGITQDEFLHMSEDDWDKVI
AVN LKGTFLVTQAAAQALVSNCGRGSIISSIVGKVGNGQTNYAASKAGVIGLTQTAARELGRHGIRC
NSVLPGFATPMTQKVPQKVVDKITEMIPMGHLGDPEDVADVVAFLASEDSGYITGTSVEVTGGLF
M

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

53.4

Interspecies Antigen Sequence

Mouse (87); Rat (87)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HSD17B8

Entrez GeneID[7923](#)**GeneBank Accession#**[NM_014234.3](#)**Protein Accession#**[NP_055049.1](#)**Gene Name**

HSD17B8

Gene Alias

D6S2245E, FABG, FABGL, H2-KE6, HKE6, KE6, RING2, SDR30C1, dJ1033B10.9

Gene Description

hydroxysteroid (17-beta) dehydrogenase 8

Omim ID[601417](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

17-beta-HSD 8|17-beta-hydroxysteroid dehydrogenase 8|OTTHUMP00000029153|beta-ketoacyl-[acyl-carrier-protein] reductase-like|estradiol 17 beta-dehydrogenase 8|estrogen 17-oxidoreductase|short chain dehydrogenase/reductase family 30C, member 1

Pathway

- [Androgen and estrogen metabolism](#)
- [Metabolic pathways](#)

Disease

- [Abortion](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)