

Full-Length

HSD17B6 (Human) Recombinant Protein (P01)

Catalog # H00008630-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HSD17B6 full-length ORF (AAH20710, 1 a.a. - 317 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MWLYLAAFVGLYLLHWYRERQVVSHLQDKYVFITGCDSGFGNLLARQLDARGLRVLAACLTEKG AEQLRGQTSDRLETVTLDVTKMESIAAATQWVKEHVGDRGLWGLVNNAGILTPITLCEWLNTEDS MNMLKVNIGVIQVTL SMLPLVRRARGRIVNVSSILGRVAFFVGGYCVSKYGVEAFSDILRREIQHF GVKISIVEPGYFRTGMTNMTQSLERMKQSWKEAPKHIKETYGQQYFDALYNIMKEGLLNCSTNLNL VTDCMEHALTSVHPRTRYSGWDAKFFFIPLSYLPTSLADYILTRSWPKPAQAV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	60.61
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 — HSD17B6

Entrez GeneID [8630](#)

GeneBank Accession# [BC020710](#)

Protein Accession# [AAH20710](#)

Gene Name HSD17B6

Gene Alias HSE, RODH, SDR9C6

Gene Description hydroxysteroid (17-beta) dehydrogenase 6 homolog (mouse)

Omim ID [606623](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene has both oxidoreductase and epimerase activities and is involved in androgen catabolism. The oxidoreductase activity can convert 3 alpha-adiol to dihydrotestosterone, while the epimerase activity can convert androsterone to epi-androsterone. Both reactions use NAD⁺ as the preferred cofactor. This gene is a member of the retinol dehydrogenase family. Transcript variants utilizing alternative polyadenylation signals exist. [provided by RefSeq]

Other Designations 3(alpha->beta)-hydroxysteroid epimerase|3(alpha->beta)-hydroxysteroid epimerase|3-hydroxysteroid epimerase|NAD⁺-dependent 3 alpha-hydroxysteroid dehydrogenase 3-hydroxysteroid epimerase|hydroxysteroid (17-beta) dehydrogenase 6|oxidative 3-alpha-hydroxys

Disease

- [Genetic Predisposition to Disease](#)
- [Polycystic Ovary Syndrome](#)