

Recombinant Full Length Human HSD17B6 Protein, GST-tagged

Cat. No. HSD17B6-3872HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HSD17B6 full-length ORF (AAH20710, 1 a.a. - 317 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	317 amino acids
Description	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
Molecular Mass	60.61 kDa
AA Sequence	MWLYLAAFVGLYYLLHWYRERQVVSHLQDKYVFITGCDSGFGNLLARQLDARGLRV LAACLTEKGAEQLRGQTSRLETVTLDVTKMESIAAATQWVKEHVGDRLWGLVNN AGILTPITLCEWLNTEDSMNMLKVNLIQVITLSMLPLVRRARGRIVNVSSILGRVAF FVGGYCVSKYGVEAFSDILRREIQHFGVKISIVEPGYFRTGMTNMTQSLERMKQSW KEAPKHIKETYGQQYFDALYNIMKEGLLNCSTNLNLVTDCMEHALTSVHPRTRYASG WDAKFFFIPLSYLPTSLADYILTRSWPKPAQAV

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HSD17B6 hydroxysteroid (17-beta) dehydrogenase 6 homolog (mouse) [Homo sapiens]
Official Symbol	HSD17B6
Synonyms	HSD17B6; hydroxysteroid (17-beta) dehydrogenase 6 homolog (mouse); hydroxysteroid (17 beta) dehydrogenase 6; 17-beta-hydroxysteroid dehydrogenase type 6; 3(alpha >beta) hydroxysteroid epimerase; 3 hydroxysteroid epimerase; HSE; NAD+ dependent 3 alpha hydroxysteroid dehydrogenase; oxidative 3 alpha hydroxysteroid dehydrogenase; oxidoreductase; retinol dehydrogenase; RODH; SDR9C6; short chain dehydrogenase/reductase family 9C; member 6; 17-beta-HSD6; 17-beta-HSD 6; 3-alpha-> beta-HSE; 3-hydroxysteroid epimerase; beta- hydroxysteroid epimerase; 3(alpha-> beta)-hydroxysteroid epimerase; beta)- hydroxysteroid epimerase; oxidative 3-alpha hydroxysteroid dehydrogenase; oxidative 3-alpha-hydroxysteroid-dehydrogenase; short chain dehydrogenase/reductase family 9C, member 6; NAD+ -dependent 3 alpha- hydroxysteroid dehydrogenase 3-hydroxysteroid epimerase;

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Gene ID	8630
mRNA Refseq	NM_003725
Protein Refseq	NP_003716
MIM	606623
UniProt ID	O14756

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