

Recombinant Human HSD17B6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSD17B6-3703H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HSD17B6 MS Standard C13 and N15-labeled recombinant protein (NP_003716) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	36 kDa
AA Sequence	MWLYLAAFVGLYYLLHWYRERQVVSHLQDKYVFITGCDSGFGNLLARQLDARGLRV LAACLTEKGAEQLRGQTSRLETVTLDVTKMESIAAATQWVKEHVGDRGLWGLVNN AGILTPITLCEWLNTEDSMNMLKVNIGVIQVTL SMLPLVRRARGRIVNVSSILGRVAF FVGGYCVSKYGVEAFSDILRREIQHFGVKISIVEPGYFRTGMTNMTQSLERMKQSW KEAPKHIKETYGQQYFDALYNIMKEGLLNCSTNLNLVTD CMEHALTSVHPRTRY SAG WDAKFFFIPLSYLPTSLADYILTRSWPKPAQAVTRTRPLEQKLI SEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.
GENE INFORMATION	
Gene Name	HSD17B6 hydroxysteroid 17-beta dehydrogenase 6 [Homo sapiens (human)]
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;
Gene ID	8630
mRNA Refseq	NM_003725

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Protein Refseq NP_003716

MIM 606623

UniProt ID O14756

SDS-PAGE



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