

Recombinant Human HSD17B3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HSD17B3-1464H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HSD17B3 MS Standard C13 and N15-labeled recombinant protein (NP_000188) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This isoform of 17 beta-hydroxysteroid dehydrogenase is expressed predominantly in the testis and catalyzes the conversion of androstenedione to testosterone. It preferentially uses NADP as cofactor. Deficiency can result in male pseudohermaphroditism with gynecomastia.
Molecular Mass	34.5 kDa
AA Sequence	MGDVLEQFFILTGLLVCLACLAKCVRFSRCVLLNYWKVLPKSFLRSMGQWAVITGAG DGIGKAYSFELAKRGLNVVLISRTLEKLEAIAIEIERTTGRSVKIIQADFTKDDIYEHKE KLAGLEIGILVNNVGMLPNLLPSHFLNAPDEIQSLIHCNITSVVKMTQLILKHMESRQK GLILNISSGIALFPWPLYSMYSASKAFVCAFSKALQEEYKAKEVIIQVLTPYAVSTAMT KYLNTNVITKTADEFVKESLNYVTIGGETCGCLAHEILAGFLSLIPAWAFYSGAFQRL LTHYVAYLKLNTKVRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling

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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 HSD17B3 hydroxysteroid 17-beta dehydrogenase 3 [Homo sapiens (human)]

Official Symbol HSD17B3

Synonyms HSD17B3; hydroxysteroid (17-beta) dehydrogenase 3; testosterone 17-beta-dehydrogenase 3; SDR12C2; short chain dehydrogenase/reductase family 12C; member 2; 17-beta-HSD3; 17-beta-HSD 3; 17-beta-hydroxysteroid dehydrogenase type 3; testicular 17-beta-hydroxysteroid dehydrogenase; short chain dehydrogenase/reductase family 12C, member 2; EDH17B3;

Gene ID 3293

mRNA Refseq NM_000197

Protein Refseq NP_000188

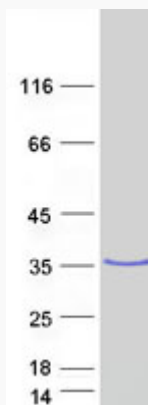
MIM 605573

UniProt ID P37058

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SDS-PAGE

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