

Recombinant Human HSD17B11, 20-285 aa, His-tagged

Cat. No. HSD17B11-943H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HSD17B11 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 31.4 kDa (287aa).
Species	Human
Source	E.coli
Description	HSD17B11, also known as DHRS8 (dehydrogenase/reductase SDR family member 8), belongs to the HSD17B family of proteins, which regulate the availability of steroids within various tissues throughout the body. It is widely expressed with highest levels found in retina, pancreas, kidney, liver, lung, adrenal, small intestine, ovary and heart as well as in steroidogenic cells. This protein converts androstan-3- α ,17- β -diol (3- α -diol) to androsterone, suggesting it may participate in androgen metabolism during steroidogenesis.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 20% glycerol.
Purity	> 95% by SDS - PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MESFVKLFIP KRRKSVTGEI VLITGAGHGI GRLTAYEFAK LKSKLVLWDI NKHGLEETAA KCKGLGAKVH TFVVDCSNRE

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DIYSSAKKVK AEIGDVSILV NNAGVVYTSDFATQDPQIE KTFEENVLAH
FWTTKAFLPA MTKNNHGHIV TVASAAGHVS VPFLLAYCSS KFAAVGFHKT
LTDELAALQI TGVKTTCLCP NFVNTGFIKN PSTSLGPTLE PEEVVNRLMH
GILTEQKMIF IPSSIAFLT LERILPERFL AVLKQKI.

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION
Gene Name

[HSD17B11 hydroxysteroid \(17-beta\) dehydrogenase 11 \[Homo sapiens \]](#)

Synonyms

hydroxysteroid (17-beta) dehydrogenase 11; DHRS8; PAN1B; RETSDR2; SDR16C2; 17BHSD11; HSD17B11; estradiol 17-beta-dehydrogenase 11; 17-BETA-HSD11; 17-BETA-HSDXI; 17-beta-HSD 11; 17-beta-HSD XI; OTTHUMP00000219651; CTCL tumor antigen HD-CL-03; CTCL-associated antigen HD-CL-03; 17-beta-hydroxysteroid dehydrogenase 11; 17-beta-hydroxysteroid dehydrogenase XI; T-cell lymphoma-associated antigen HD-CL-03; dehydrogenase/reductase SDR family member 8; 17-beta-hydroxysteroid dehydrogenase type XI; dehydrogenase/reductase (SDR family) member 8; retinal short-chain dehydrogenase/reductase 2; cutaneous T-cell lymphoma-associated antigen HD-CL-03; short chain dehydrogenase/reductase family 16C, member 2; EC 1.1.1.62

Gene ID

[51170](#)

mRNA Refseq

[NM_016245](#)

Protein Refseq

[NP_057329](#)

MIM

[612831](#)

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UniProt ID	Q8NBQ5
Chromosome Location	4q22.1
Function	estradiol 17-beta-dehydrogenase activity; steroid dehydrogenase activity; binding
PDB rendering based on 1yb1.	