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**Product Data Sheet**


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Product Name: HSD17B11 Human  
 Cat. No.: GP21813  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	17-beta-hydroxysteroid dehydrogenase 11; 17-beta-HSD 11; 17bHSD11; 17betaHSD11; 17-beta-hydroxysteroid dehydrogenase XI; 17-beta-HSD XI; 17betaHSDXI; Cutaneous T-cell lymphoma-associated antigen HD-CL-03; CTCL-associated antigen HD-CL-03; Dehydrogenase/reductase SDR family member 8; Retinal short-chain dehydrogenase/reductase 2; retSDR2; HSD17B11; DHRS8; PAN1B; SDR16C2; 17BHSD11.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MESFVKLFIP KRRKSVTGEI VLITGAGHGI GRLTAYEFAK LSKLVLWDI NKHGLEETAA KCKGLGAKVH TFVVDCSNRE DIYSSAKKVK AEIGDVSILV NNAGVVYTSDFATQDPQIE KTFEVNVLAFHWTTKAFLPA MTKNNHGHIV TVASAAGHVS VPFLLAYCSS KFAAVGFHKT LTDELAALQI TGVKTTCLCP NFVNTGFIKN PSTSLGPTLE PEEVVRMLMH GILTEQKMIF IPSSIAFLTT LERILPERFL AVLKQKI.		
Formulation	The HSD17B11 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol.		

**Introduction**

Dehydrogenase/reductase SDR family member 8 (HSD17B11) is a member of the HSD17B family of proteins, which regulate the availability of steroids within various tissues throughout the body. HSD17B11 is widely expressed with the highest levels found in the retina, pancreas, kidney, liver, lung, adrenal, small intestine, ovary and heart as well as in steroidogenic cells. HSD17B11 converts androstan-3-?,17-?-diol (3-?-diol) to androsterone, suggesting it may participate in androgen metabolism during steroidogenesis.

**Stability**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

HSD17B11 Human Recombinant fused with a 21 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 287 amino acids (20-285 a.a.) and having a molecular mass of 31.4kDa. The HSD17B11 is purified by proprietary chromatographic techniques.

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