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HSD17B11 Human

Catalog #:ENPS-056

For research use only.

Description: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.

Synonyms: Estradiol 17-beta-dehydrogenase 11, 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-associate

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MESFVKLFIP KRRKSVTGEI VLITGAGHGI GRLTAYEFAK LKSKLVLWDI NKHGLEETAA KCKGLGAKVH TFVVDCSNRE DIYSSAKKVK AEIGDVSILV NNAGVVYTSD LFATQDPQIE KTFEVNVLAH FWTTKAFLPA MTKNNHGHIV TVASAAGHVS VPFLLAYCSS KFAAVGFHKT LTDELAALQI TGVKTTCLCP NFVNTGFIKN PS

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The HSD17B11 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 20% glycerol.

Stability:
HSD17B11 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

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 throμghout 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, sμggesting it may participate in androgen metabolism during steroidogenesis.

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