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HSD17B14 Human

Catalog #:ENPS-036

For research use only.

Description:HSD17B14 Human Recombinant fused with a 36 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 306 amino acids (1-270 a.a.) and having a molecular mass of 32.4kDa. The HSD17B14 is purified by proprietary chromatographic techniques.

Synonyms:17-beta-hydroxysteroid dehydrogenase 14, 17-beta-HSD 14, 17-beta-hydroxysteroid dehydrogenase DHRS10, Dehydrogenase/reductase SDR family member 10, Retinal short-chain dehydrogenase/reductase retSDR3, HSD17B14, DHRS10, SDR3, SDR47C1, retSDR3.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMATG TRYAGKVVVV TGGGRGIGAG IVRAFVNSGA RVVICDKDES GGRALEQELP GAVFILCDVT QEDDVKTLVS ETIRRFGRLD CVVNNAGHHP PPQRPEETSA QGFRQLLELN LLGTYTLTKL ALPYLRKSQG NVINISSLVG AIGQAQAVPY VATKGAVTAM TKALALDESP YGVRVNCISP GNIWTPLWEE LA

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

Formulation:
The HSD17B14 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability:
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.

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:
17-beta-hydroxysteroid dehydrogenase 14 (HSD17B14) is a member of the 17-beta-HSD family of proteins, which regulate the availability of steroids within various tissues throμghout the body. 17-beta-hydroxysteroid dehydrogenases (HSD17B14) are mainly involved in metabolism of steroids at the C17 position and also of other substrates, such as fatty acids, prostaglandins, and xenobiotics. HSD17B14 exists as a homotetramer that localizes to the cytoplasm and is highly expressed in the brain, placenta, liver and kidney.

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