
Product Data Sheet

Product Name: HSD17B14 Human
 Cat. No.: GP21814
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMATG TRYAGKVVVV TGGGRGIGAG IVRAFVNSGA RVVICDKDES GGRALEQELP GAVFILCDVT QEDDVKTLVS ETIRRFGRDL CVVNNAGHHP PPQRPEETSA QGFRQLLELN LLGTYTLTKL ALPYLRKSQG NVINISLVG AIGQAQAVPY VATKGAVTAM TKALALDESP YGVRVNCISP GNIWTPWEE LAALMPDPRA TIREGMLAQP LGRMGQPAEV GAAAVFLASE ANFCTGIELL VTGGAELGYG CKASRSTPVD APDIPS.		
Formulation	The HSD17B14 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

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 throughout 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

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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

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.

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