
Product Data Sheet

Product Name: SULT1B1 Human
 Cat. No.: GP22268
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Sulfotransferase family cytosolic 1B member 1; Thyroid hormone sulfotransferase; Sulfotransferase 1B1; Sulfotransferase 1B2; ST1B1; EC 2.8.2.-; SULT1B2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHTMLSPKD ILRKDLKLVH GYPMTCAFAS NWEKIEQFHS RPDDIVIATY PKSGTTWVSE IIDMILNDGD IEKCKRGFIT EKVPMLEMTL PGLRTSGIEQ LEKNPSPRIV KTHLPTDLLP KSFWENNCKM IYLARNAKDV SVSYHFDLM NNLQPFPGTW EEYLEKFLTG KVAYGSWFTH VKNWWKKKEE HPILFLYYED MKENPKEEIK KIIRFLEKNL NDEILDRIIH HTSFEVMKDN PLVNYTHLPT TVMDHSKSPF MRKGTAGDWK NYFTVAQNEK FDAIYETEMS KTALQFRTEI		
Formulation	The SULT1B1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol.		

Introduction

SULT1B1 enzyme in humans is encoded by the SULT1B1 gene. SULT1B1 holds a binding site for 3-prime-phosphoadenosine 5-prime-phosphosulfate, a sulfate donor, in addition to a cysteine residue conserved in the ST1 gene family of sulfotransferases.

Sulfotransferases like SULT1B1 catalyze the biotransformation of a great amount of endogenous amalgams such as bile acids, neurotransmitters, steroids, and thyroid hormones, in addition to drugs and xenobiotics.

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.

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

Product Data Sheet

Background

SULT1B1 Human Recombinant produced in E. coli is a single polypeptide chain containing 320 amino acids (1-296) and having a molecular mass of 37.4kDa. SULT1B1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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