
Product Data Sheet

Product Name: SULT2B1 Human
 Cat. No.: GP22273
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SULT2B1; HSST2; EC 2.8.2.2; Sulfotransferase 2B1; Hydroxysteroid sulfotransferase 2; ST2B1; Sulfotransferase family cytosolic 2B member 1.		
Amino Acid Sequence	MDGPAEPQIP GLWDTYEDDI SEISQKLPGE YFRYKGVPPF VGLYSLESIS LAENTQDVRD DDIFIITYPK SGTTWMIIEI CLILKEGDPSWIRSVPIWER APWCETIVGA FSLPDQYSPR LMSSHLPIQI FTKAFFSSKA KVIYMGRNPR DVVVSLYHYS KIAGQLKDPG TPDQFLRDFLKGEVQFGSWF DHIKGWLRMK GKDNFLFITY EELQQDLQGS VERICGFLGR PLGKEALGSV VAHSTFSAMK ANTMSNYTLL PPSLLDHRRG AFLRKGVC GD WKNHFTVAQS EAFDRAYRKQ MRGMPTFPWD EDPEEDGSPD PEPSPEPEPK PSLEPNTSLE REPRPNSSPS PSPGQASETP HPRPS.		
Formulation	SULT2B1 Human solution containing 20mM Tris-HCl pH-7.5, & 10% glycerol.		

Introduction

SULT2B1 catalyzes the sulfate conjugation of numerous hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation enhances the water solubility of molecules, and therefore their renal excretion, however it can also result in bioactivation to form active metabolites. SULT2B1b is localized in the cytosol and nuclei of human cells. SULT2B1b is selective for the sulfation of 3beta-hydroxysteroids such as dehydroepiandrosterone and pregnenolone, and participates in cholesterol sulfation in human skin.

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.

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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

SULT2B1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 365 amino acids (1-365 a.a.) and having a molecular mass of 41.3 kDa. SULT2B1 protein is purified by standard chromatography.

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