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**Product Data Sheet**


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Product Name: SULT1C4 Human  
 Cat. No.: GP22270  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Sulfotransferase 1C4; SULT1C; SULT1C2; Sulfotransferase Family; Cytosolic 1C; Member 4; SULT1C4; ST1C4; Sulfotransferase 1C2; SULT1C#2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MALHDMEDFT FDGTKRLSVN YVKGILQPTD TCDIWDKIWN FQAKPDDLLI STYPKAGTTW TQEIVELIQN EGDVEKSKRA PTHQRFPFLE MKIPSLGSGE EQAHAMPSPR ILKTHLPFHL LPPSLLEKNC KIIYVARNPK DNMVSYHFQ RMNKALPAPG TWEEYFETFL AGKVCWGSWH EHVKGWWEAK DKHRILYLFY EDMKKNPKHE IQKLAFIGK KLDDKVLDKI VHYTSFDVMK QNPMANYSSI PAEIMDHSIS PFMRKGAVGD WKKHFTVAQN ERFDEYKKK MTDTRLTFHF QF.		
Formulation	SULT1C4 protein solution (1mg/ml) containing 0.1M NaCl, 20% glycerol and 1mM DTT.		

**Introduction**

Sulfotransferase 1C4 (SULT1C4) is a member of the SULT subfamily. SULT1C4 is responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. Sulfotransferase enzymes are different in their tissue distributions and substrate specificities. SULT1C4 catalyzes the sulfonation of p-nitrophenol and N-hydroxy-2-acetylaminofluorene.

**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

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### Background

SULT1C4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 322 amino acids (1-302 a.a) and having a molecular mass of 37.6kDa. SULT1C4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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