
Product Data Sheet

Product Name: SULT1C2 Human
 Cat. No.: GP22269
 Batch No.: 1

Product Data

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|---------------------|--|--------------------|-------------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | Sulfotransferase 1C2; ST1C2; Sulfotransferase 1C1; SULT1C#1; humSULTC2; SULT1C2; SULT1C1; ST1C1. | | |
| Amino Acid Sequence | MGSSHHHHHH SGLVPRGSH MALTS DLGKQ IKLKEVEGTL LQPATVDNWS QIQSFEAKPD DLLICTYPKA GTTWIQEIVD MIEQNGDVEK CQRAIQHRH PFIEWARPPQ PSGVEKAKAM PSPRILKTHL STQLLPPSFW ENNCKFLYVA RNAKDCMVS YHFQRMNHML PDPGTWEEYF ETFINGKVVW GSWFDHVKGW WEMKDRHQIL FLFYEDIKRD PKHEIRKVMQ FMGKKVDETV LDKIVQETSF EKMKENPMTN RSTVSKSILD QSISSFMRKG TVGDWKNHFT VAQNERFDEI YRRKMEGTSI NFCMEL. | | |
| Formulation | The SULT1C2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT. | | |

Introduction

Sulfotransferase 1C2 (SULT1C2) is a member the sulfotransferase1 superfamily. SULT1C2 catalyzes the transfer of sulfate from PAPS (3 β -phosphoadenosine-5 β -phosphosulfate) to phenol-containing compounds, including hormones and neurotransmitters. A short and a long isoform of SULT1C2 exist as a result of alternative splicing events. Sulfotransferase enzymes catalyze the sulfate conjugation of various hormones, neurotransmitters, drugs, and xenobiotic compounds.

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.

Background

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

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SULT1C2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 316 amino acids (1-296a.a.) and having a molecular mass of 37.0kDa.SULT1C2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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