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SULT1C2 Human

Catalog #:ENPS-054

For research use only.

Description:SULT1C2 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 316 amino acids (1-296 a.a.) and having a molecular mass of 37kDa. The SULT1C2 is purified by proprietary chromatographic techniques.

Synonyms: Sulfotransferase 1C2, ST1C2, Sulfotransferase 1C1, SULT1C#1, humSULTC2, SULT1C2, SULT1C1, ST1C1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MALTSDLGKQ IKLKEVEGTL LQPATVDNWS QIQSFEAKPD DLLICTYPKA GTTWIQEIVD MIEQNGDVEK CQRAIIQHRH PFIEWARPPQ PSGVEKAKAM PSPRILKTHL STQLLPPSFW ENNCKFLYVA RNAKDCMVSY YHFQRMNHML PDPGTWEEYF ETFINGKVVW GSWFDHVKGW WEMKDRHQIL FLFYEDIKRD PKHEIRKVMQ FM

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The SULT1C2 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.

Stability:
SULT1C2 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Sulfotransferase 1C2 (SULT1C2) is a member the sulfotransferase1 superfamily. SULT1C2 catalyzes the transfer of sulfate from PAPS (3-phosphoadenosine-5-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 conjµgation of various hormones, neurotransmitters, drµgs, and xenobiotic compounds.

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