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SULT1A2 Human

Catalog #:ENPS-159

For research use only.

Description:SULT1A2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 315 amino acids (1-295 a.a.) and having a molecular mass of 36.4kDa.SULT1A2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Sulfotransferase 1A2, ST1A2, Aryl sulfotransferase 2, Phenol sulfotransferase 2, Phenol-sulfating phenol sulfotransferase 2, P-PST 2, SULT1A2, STP2, HAST4, TSPST2.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MELIQDISRP PLEYVKGVPL IKYFAEALGP LQSFQARPDD LLISTYPKSG TTWVSQILDM IYQGGDLEKC HRAPIFMRVP FLEFKVPGIP SGMETLKNTP APRLLKTHLP LALLPQTLLD QKVKVVYVAR NAKDVAVSYY HFYHMAKVYP HPGTWESFLE KFMAGEVSYG SWYQHVQEWW ELSRTHPVLY LFYEDMKENP KREIQKILEF VG

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
SULT1A2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.

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.

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 1A2 (SULT1A2) belongs to the sulfotransferase family. Sulfotransferase enzymes catalyze the sulfate conjµgation of many hormones, neurotransmitters, drµgs, and xenobiotic compounds. SULT1A2 mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and might thus participate as a modulating factor of cancer risk.

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