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SULT1B1 Human

Catalog #:ENPS-617

For research use only.

Description:SULT1B1 Human Recombinant produced in E. coli is a single polypeptide chain containing 320 amino acids (1-296) and having a molecular mass of 37.4kDa.SULT1B1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Sulfotransferase family cytosolic 1B member 1, Thyroid hormone sulfotransferase, Sulfotransferase 1B1, Sulfotransferase 1B2, ST1B1, EC 2.8.2.-, SULT1B2.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSHMLSPKD ILRKDLKLVH GYPMTCAFAS NWEKIEQFHS RPDDIVIATY PKSGTTWVSE IIDMILNDGD IEKCKRGFIT EKVPMLEMTL PGLRTSGIEQ LEKNPSPRIV KTHLPTDLLP KSFWENNCKM IYLARNAKDV SVSYYHFDLM NNLQPFPGTW EEYLEKFLTG KVAYGSWFTH VKNWWKKKEE HPILFLYYED MKENPKEEIK KI

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
The SULT1B1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl and 10% glycerol.

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:
SULT1B1 enzyme in humans is encoded by the SULT1B1 gene. SULT1B1 holds a binding site for 3-prime-phosphoadenosine 5-prime-phosphosulfate, a sulfate donor, in addition to a cysteine residue conserved in the ST1 gene family of sulfotransferases. Sulfotransferases like SULT1B1 catalyze the biotransformation of a great amount of endogenous amalgams such as bile acids, neurotransmitters, steroids, and thyroid hormones, in addition to drµgs and xenobiotics.

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