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SULT1E1 Human

Description: Recombinant Human SULT1E1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 302 amino acids (1-294 a.a.) and having a molecular mass of 36.1 kDa. SULT1E1 is fused to 6 amino acid His Tag at C-terminus and purified by conventional chromatography techniques.

Catalog #:ENPS-416

For research use only.

Synonyms:EST, STE, EST-1, MGC34459, SULT1E1, Estrogen sulfotransferase, Sulfotransferase estrogen-preferring.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence:MNSELDYYEK FEEVHGILMY KDFVKYWDNV EAFQARPDDL VIATYPKSGT TWVSEIVYMI YKEGDVEKCK EDVIFNRIPF LECRKENLMN GVKQLDEMNS PRIVKTHLPP ELLPASFWEK DCKIIYLCRN AKDVAVSFYY FFLMVAGHPN PGSLPEFVEK FMQGQVPYGS WYKHVKSWWE KGKSPRVLFL FYEDLKEDIR KEVIKLIHFL ERKPSEELVD RIIHHTSFQE MK

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

Formulation:
The SULT1E1 protein solution contains 20mM Tris-HCl, pH-8 and 20% 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:
SULT1E1 catalyzes the sulfate conjµgation of many hormones, neurotransmitters, drµgs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. SULTIE1 control the level of the estrogen receptor by sulfurylating free estradiol. maximally sulfates beta-estradiol and estrone at concentrations of 20nm. SULTIE1 in addition sulfates dehydroepiandrosterone, pregnenolone, ethinylestradiol, equalenin, diethylstilbesterol and 1-naphthol, at considerably higher concentrations; thoµgh, cortisol, testosterone and dopamine are not sulfated. Decreased SULT1E1 expression is linked with estrogen-dependent endometrial carcinomas. Altered cellular proliferation was detected in cells stably expressing SULT1E1.

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