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Datasheet for ABIN7533780
SULT1A1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	SULT1A1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SULT1A1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Sulfotransferase 1A1/SULT1A1 Protein
Sequence:	MELIQDTSRP PLEYVKGVPL IKYFAEALGP LQSFQARPDD LLISTYPKSG TTWVSQILD IYQGGDLEKC HRAPIFMRVP FLEFKAGIP SGMETLKDTP APRLLKTHLP LALLPQTLLD QKVKVYVAR NAKDVAVSYY HFYHMAKVHP EPGTWDSFLE KFMVGEVSYG SWYQHVVQEW ELSRTHPVLY LFYEDMKENP KREIQKILEF VGRSLPEETV DFVVQHTSFK EMKKNPMTNY TTVPQEFMDH SISPFMRKGM AGDWKTTFTV AQNERFDADY AEKMAGCSLS FRSEL
Specificity:	Met1-Leu295
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.01 EU/µg of the protein by LAL method.

Target Details

Target:	SULT1A1
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Target Details

Alternative Name: Sulfotransferase 1A1/SULT1A1 ([SULT1A1 Products](#))

Background: Description: Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. Particularly SULT1A1 (Sulfotransferase family, cytosolic, 1A, phenol-preferring, member 1), a member of the sulfotransferase 1 subfamily, which is a major pathway for drug metabolism in humans. Statistically significant associations were observed between the SULT1A1 genotype (Arg213His) and age, obesity and certain neoplasias (mammary, pulmonary, esophageal and urothelial cancer). Furthermore, the polymorphism of the SULT1A1 may be closely associated with breast cancer.

Name: SULT1A1,HAST1/HAST2,P-PST,PST,ST1A1,ST1A3,STP,STP1,TSPST1

Gene ID: 6817

UniProt: [P50225](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Buffer: Lyophilized from a 0.22 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.

Storage: -20 °C,-80 °C

Storage Comment: Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.