Recombinant Human Sulfotransferase 1A1 /SULT1A1 Protein

Catalog No.: RP00037

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Sequence Information

Species	Gene ID
Human	6817
Swiss Prot	**Tags**
P50225	C-His

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

Product Information

Source	Purification
E. coli	≥ 95 % as determined by SDS-PAGE.
Calculated MW	**Observed MW**
35.01 kDa	32 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method

Formulation
Lyophilized from a 0.22 μm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.Contact us for customized product form or formulation.

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

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.

Basic Information

Description
Recombinant Human Sulfotransferase 1A1/SULT1A1 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Leu295) of human SULT1A1 (Accession #NP_001046.2) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

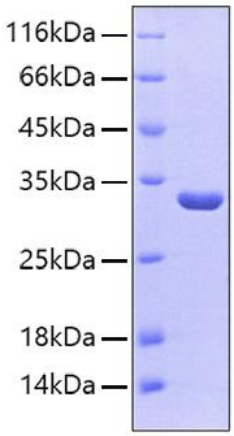
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human Sulfotransferase 1A1/SULT1A1 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.