

Recombinant Human Cytosolic Sulfotransferase Family 1A Member 1 Protein

Cat.NO.: TP05955

3th Edition

Synonyms:Sulfotransferase 1A1; ST1A1; Aryl sulfotransferase 1; HAST1/HAST2; Phenol Sulfotransferase 1; Phenol-Sulfating Phenol Sulfotransferase 1; P-PST 1; ST1A3; Thermostable Phenol Sulfotransferase; Ts-PST; SULT1A1; STP; STP1; OK/SW-cl.88

Description:Sulfotransferase 1A1 (SULT1A1) is a cytosolic sulfotransferases that is expressed in the liver, lung, adrenal, brain, platelets, and skin. SULT1A1 is a phenol sulfotransferases with thermostable enzyme activity. SULT1A1 utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) as sulfonate donor to catalyze the sulfate conjugation of catecholamines, phenolic drugs and neurotransmitters. It is responsible for the sulfonation and activation of minoxidil. SULT1A1 mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.

Form:PBS

Molecular Weight:35.5 kDa

Sequences:Met 1-Leu295

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.