

SULT1A2, 1-295aa, Human, His tag, E.coli

Cat.NO.: TP04088

3th Edition

Synonyms:Sulfotransferase 1A2, HAST4, P-PST, ST1A2, STP2, TSPST2

Description:Sulfotransferase 1A2, also known as SULT1A2, is a member of sulfotransferase family. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. It mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk. Recombinant human SULT1A2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Molecular Weight:36.4 kDa (315aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMELIQDISRPPLEYVKGVPLIKYFAEALGPLQSFQARPDDLSTYPKSGTTWVSQI
LDMIYQGGDLEKCHRAPIFMRVPFLEFKVPGIPSGMETLKNTAPRLLKTHLPLALLPQTLLDQKVKVYVARNAD
VAVSYYHFYHMAKVYPHPGTWESFLEKFMAGEVSYGSWYQHVQEWELSRTHPVLVLFYEDMKENPKREIQKIL
EFVGRSLPEETVDLMVEHTSFKEMKKNPMTNYTTVRREFMDHSISPFMRKGMAGDWKTTFTVAQNERFDADYAE
KMAGCSLSFRSEL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

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.