

SULT1B1, 1-296aa, Human, His tag, E.coli

Cat.NO.: TP04089

3th Edition

Synonyms:Sulfotransferase family, cytosolic, 1B, member 1, ST1B1, ST1B2, SULT1B2

Description:Sulfotransferase family, cytosolic, 1B, member 1, also known as SULT1B1, is an enzyme that in humans is encoded by the SULT1B1 gene. SULT1B1 contains a binding site for the sulfate donor, 3-prime-phosphoadenosine 5-prime-phosphosulfate, and a cysteine residue conserved in the ST1 gene family of sulfotransferases. Sulfotransferases such as SULT1B1 catalyze the biotransformation of a large number of endogenous compounds such as neurotransmitters, steroids, bile acids, and thyroid hormones, as well as drugs and xenobiotics. Recombinant human SULT1B1 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 0.1M NaCl, 10% glycerol

Molecular Weight:37.4kDa (320aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMLSPKDILRKDLKLVHGYPMTCASFASNWEKIEQFHSRPDDIVATYPKSGTT
WVSEIIDMILNDGDIEKCKRGFITEKVPMLEMTLPGLRTSGIEQLEKNPSPRIVKTHLPTDLLPKSFWENNCKMIYLAR
NAKDVSYSYYHFDLMNNLQFPFGTWEEYLEKFLTGVAYGSWFTHVKNWWKKKEEHPIFLYEDMKENPKKEIK
KIIRFLEKLNDEILDRIIHHTSFEVMKDNPLVNYTHLPTTVMDSKSPFMRKGTAGDWKNYFTVAQNEKFDIYETE
MSKTALQFRTEI

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.