

SULT2A1, 1-285aa, Human, His tag, E.coli

Cat.NO.: TP04092

3th Edition

Synonyms:Bile salt sulfotransferase, DHEA-ST, DHEAS, HST, hSTa, ST2, ST2A1, ST2A3

Description:SULT2A1, also known dehydroepiandrosterone sulphotransferase, belongs to the sulfotransferase family. This protein is mainly expressed in liver and adrenal tissues, and to a lesser extent in kidney. It catalyzes the 3'-phosphoadenosine 5'-phosphosulfate-dependent sulfation of a wide variety of steroids in human liver and adrenal tissues, and is also responsible for most of the sulfation of bile acids in human liver. Recombinant human SULT2A1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT

Molecular Weight:35.9 kDa (305aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSDDFLWFEGIAFPTMGFRSETLRKVRDEFVIRDEDVIILTYPKSGTNWLAEILCL
MHSKGDAKWIQSVPIWERSPWVESEIGYTALSETESPRLFSSHLPIQLFPKSFSSKAKVIYLMRNPRDVLVSGYFF
WKNMKFIKKPKSWEEYFEWFCQGTVLYGSWFDHIHGWMMPMREEKNFLLLSYEELKQDTGRTIEKICQFLGKTLEP
EELNLILKNSSFQSMKENKMSNYLLSVDYVVDKAQLLRKGVSGDWKNHFTVAQAEDFDKLFQEKMADLPRELF
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Purity:> 95% by HPLC

Concentration:1.0 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.