Recombinant human Sulfotransferase 2A1/SULT2A1 protein

Catalog Number: ATGP1083

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-285aa

UniProt No.
Q06520

NCBI Accession No.
NP_003158

Alternative Names
Sulfotransferase family 2A member 1, ST2A1, Cytosolic sulfotransferase family 2A, Bile salt sulfotransferase, Dehydroepiandrosterone sulfotransferase, DHEA-ST, DHEA-ST8, Hydroxysteroid Sulfotransferase, HST, ST2, SULT2A3, STD

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl,1mM DTT

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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SuLT2A1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

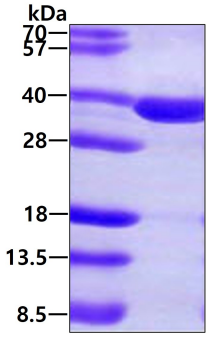
<MGSSHHHHHH SSGLVPRGSH> MSDDFLWFEG IAFPTMGFRS ETLRKVRDEF VIRDEDVIIL TYPKSGTNWL AEILCLMHSK GDAKWIQSVP IWERSPWVES EIGYTALSET ESPRLFSSHL PIQLFPKSFF SSKAKVIYLM RNPRDVLVSG YFFWKNMKFI KKPKSWEEYF EWFCQGTVLY GSWFDHIHGW MPMREEKNFL LLSYEELKQD TGRTIEKICQ FLGKTLEPEE LNLILKNSSF QSMKENKMSN YSLLSVDYVV DKAQLLRKGV SGDWKNHFTV AQAEDFDKLF QEKMADLPRE LFPWE

General References

Otterness D.M. et al. (1992) Mol. Pharmacol. 41: 865-872.
Comer K.A. et al. (1993) Biochem. J. 289: 233-240.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.