

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 VIRDEDVIL TYPKSGTNWL AEILCLMHSK
GDAKWIQSVP IWERSPWVES EIGYTALSET ESPRLFSSHL PIQLFPKSF SSKAKVIYLM RNPRDVLVSG YFFWKNMKFI
KKPKSWEEYF EWFCQGTVLY GSWFDHIHG W MPMREEKNFL LLSYEELKQD TGRTIEKICQ FLGKTLEPEE LNLILKNSSF
QSMKENKMSN YSLLSVDYVV DKAQLLRKGV SGDWNHFTV AQAEDFDKLF QEKMADLPRE LFPWE

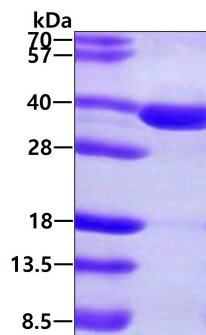
General References

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.