

# Recombinant human Sulfotransferase 2A1/SULT2A1 protein

Catalog Number: ATGP1083

## PRODUCT INFORMATION

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**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

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**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**

&gt; 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

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**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

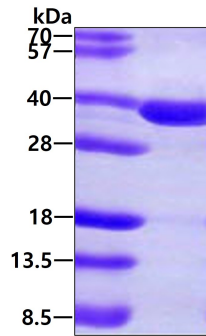
<MGSSHHHHHH SSGLVPRGSH> MSDDFLWFEG IAFPTMGFRS ETLRKVRDEF VIRDEDVIL TYPKSGTNWL AEILCLMHSK  
GDAKWIQSVP IWERSPWVES EIGYTALSET ESPRLFSSHL PIQLFPKSF SSKAKVIYLM RNPRDVLVSG YFFWKNMKFI  
KKPKSWEEYF EWFCQGTVLY GSWFDHIHGW MPMREEKNFL LLSYEELKQD TGRTIEKICQ FLGKTLEPEE LNLILKNSSF  
QSMKENKMSN YSLLSVDYVV DKAQLLRKGV 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.