

SULT1A2 cDNA

Catalog Number: ATGD0067

PRODUCT INFORMATION

Catalog number

ATGD0067

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001045.1

Alternative Names

HAST4, P-PST, ST1A2, STP2, TSPST2

mRNA Refseq

NM_001054.3

OMIM

601292

Chromosome location

16p12.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

888bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

SULT1A2 cDNA

Catalog Number: ATGD0067

Sulfotransferase 1A2, also known as SuLT1A2, is a member of sulfotransferase family. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. It mediates the metabolic activation of carcinogenic N-hydroxyarylamines to DNA binding products and could so participate as modulating factor of cancer risk.

DATA

Sequence nucleotides

```
ATGGAGCTGA TCCAGGACAT CTCTCGCCCG CCACTGGAGT ACGTGAAGGG GGTCCCGCTC ATCAAGTACT
TTGCAGAGGC ACTGGGGCCC CTGCAGAGCT TCCAGGCCCG GCCTGATGAC CTGCTCATCA GCACCTACCC
CAAGTCCGGC ACCACCTGGG TGAGCCAGAT TCTGGACATG ATCTACCAGG GCGGTGACCT GGAAAAGTGT
CACCGAGCTC CCATCTTCAT GCGGGTGCCC TTCCTTGAGT TCAAAGTCCC AGGGATTCCC TCAGGGATGG
AGACTCTGAA AAACACACCA GCCCCACGAC TCCTGAAGAC ACACCTGCCC CTGGCTCTGC TCCCCCAGAC
TCTGTTGGAT CAGAAGGTCA AGGTGGTCTA TGTTGCCCGC AACGCAAAGG ATGTGGCGGT TTCCTACTAC
CACTTCTACC ACATGGCCAA AGTGATCCCT CACCCTGGGA CCTGGGAAAG CTTCTGGAG AAGTTCATGG
CTGGAGAAGT GTCCTATGGG TCCTGGTACC AGCACGTGCA AGAGTGGTGG GAGCTGAGCC GCACCCACCC
TGTTCTCTAC CTCTTCTATG AAGACATGAA GGAGAACCCC AAAAGGGAGA TTCAAAGAT CCTGGAGTTT
GTGGGGCGCT CCCTGCCAGA GGAGACTGTG GACCTCATGG TTGAGCACAC GTCGTTCAAG GAGATGAAGA
AGAACCCTAT GACCAACTAC ACCACCGTCC GCCGGGAGTT CATGGACCAC AGCATCTCCC CTTTCATGAG
GAAAGGCATG GCTGGGGACT GGAAGACCAC CTTACCGTG GCGCAGAATG AGCGCTTCGA TGCGGACTAT
GCGGAGAAGA TGGCAGGCTG CAGCCTCAGC TTCCGCTCTG AGCTGTGA
```

Transaction Sequence

```
MELIQDISRP PLEYVKGVPL IKYFAEALGP LQSFQARPDD LLISTYPKSG TTWVSQILDM IYQGGDLEKC HRAPIFMRVP
FLEFKVPGIP SGMETLKNTP APRLLKTHLP LALLPQTLTD QKVKVYVAR NAKDVAVSYY HFYHMAKVYP HPGTWESFLE
KFMAGEVSYG SWYQHVQEWV ELSRTHPVLY LFYEDMKENP KREIQKILEF VGRSLPEETV DLMVEHTSFK EMKKNPMTNY
TTVRREFMDH SISPFMRKGM AGDWKTTFTV AQNERFDADY AEKMAGCSLS FRSEL
```