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

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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 AGTGTACCCT CACCCTGGGA CCTGGGAAAG CTTCCTGGAG AAGTTCATGG
CTGGAGAAGT GTCCTATGGG TCCTGGTACC AGCACGTGCA AGAGTGGTGG GAGCTGAGCC GCACCCACCC
TGTTCTCTAC CTCTTCTATG AAGACATGAA GGAGAACCCC AAAAGGGAGA TTCAAAAGAT CCTGGAGTTT
GTGGGGCGCT CCCTGCCAGA GGAGACTGTG GACCTCATGG TTGAGCACAC GTCGTTCAAG GAGATGAAGA
AGAACCCTAT GACCAACTAC ACCACCGTCC GCCGGGAGTT CATGGACCAC AGCATCTCCC CCTTCATGAG
GAAAGGCATG GCTGGGGACT GGAAGACCAC CTTCACCGTG GCGCAGAATG AGCGCTTCGA TGCGGACTAT
GCGGAGAAGA TGGCAGGCTG CAGCCTCAGC TTCCGCTCTG AGCTGTGA

Transaction Sequence

MELIQDISRP PLEYVKGVPL IKYFAEALGP LQSFQARPDD LLISTYPKSG TTWVSQILDM IYQGGDLEKC HRAPIFMRVP
FLEFKVPGIP SGMETLKNTP APRLLKTHLP LALLPQTLLD QKVKVVYVAR NAKDVAVSYY HFYHMAKVYP HPGTWESFLE
KFMAGEVSYG SWYQHVQEWW ELSRTHPVLY LFYEDMKENP KREIQKILEF VGRSLPEETV DLMVEHTSFK EMKKNPMTNY
TTVRREFMDH SISPFMRKGM AGDWKTTFTV AQNERFDADY AEKMAGCSLS FRSEL