

SULT1C4 cDNA

Catalog Number: ATGD0489

PRODUCT INFORMATION

Catalog number

ATGD0489

Product type

cDNA

Species

Human

NCBI Accession No.

NP_006579.2

Alternative Names

SULT1C, SULT1C2

mRNA Refseq

NM_006588.2

OMIM

608357

Chromosome location

2q12.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

909bp

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 Nde 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

SULT1C4 cDNA

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Sulfotransferase 1C4, also known as SuLT1C4, belongs to the SuLT subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. SuLT1C4 catalyzes the sulfonation of p-nitrophenol and N-hydroxy-2-acetylaminofluorene, but not dopamine.

DATA

Sequence nucleotides

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ATGGCCTTACACGACATGGAGGATTTTACATTTGATGGAACAAAGCGCTTAAGTGTCAACTACGTGAAGGGAATTCTTCAAC
CGACAGACACCTGTGACATCTGGGATAAGATCTGGAACCTCCAAGCCAAGCCTGATGACCTGCTTATTTCTACCTATCCTAA
AGCAGGAACAACATGGACTCAGGAGATAGTGGAAATTAATACAAAATGAAGGTGATGTGGAGAAAAGTAAACGGGCACCGA
CTCATCAACGATTTCTTTCTCGAAATGAAAATCCCATCCTTAGGATCTGGTTTGGAAACAAGCTCATGCAATGCCCTCACCA
CGGATCCTGAAAACACATCTTCCCTTTCACTTGCTGCCACCATCCTTGCTAGAGAAAAACTGTAAGATAATCTATGTAGCAAG
AAATCCCAAGGACAACATGGTGTCTATTACCATTTCCAAAGAATGAATAAAGCTCTTCTGCTCCAGGAACATGGGAAGAG
TATTTTGAGACTTTTCTGGCTGGGAAAGTGTGCTGGGGCTCCTGGCATGAACATGTGAAAGGATGGTGGGAAGCCAAAGAC
AAACACCGTATTCTCTATCTTCTATGAGGACATGAAGAAGAACCCAAAGCATGAAATTCAGAAGCTGGCAGAATTTATTG
GGAAGAAATTAGATGACAAAGTTCTAGATAAAATTGTCCATTACACTTCGTTTGATGTCATGAAACAGAATCCAATGGCAAAC
TATTCATCGATTCTGCTGAAATCATGGACCACTCCATTTCTCCATTCATGAGAAAAGGGGCAGTGGGAGACTGGAAGAAAC
ACTTCACCGTGGCTCAGAATGAGAGATTTGATGAAGATTACAAGAAGAAAATGACTGATACCAGACTAACTTTCCACTTCCA
GTTCTAG
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Transaction Sequence

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MALHDMEDFT FDGTKRLSVN YVKGILQPTD TCDIWDKIWN FQAKPDDLLI STYPKAGTTWTQEIVELIQN EGDVEKSKRA
PTHQRFPFLE MKIPSLGSGLEQAHAMPSPR ILKTHLPFHLLPPSLLEKNC KIIYVARNPK DNMVSYHFQ RMNKALPAPG
TWEEYFETFL AGKVCWGSWHEHVKGWWEAK DKHRILYLFY EDMKKNPKHE IQKLAFIGK KLDDKVLDKI
VHYTSFDVMKQNP MANYSSI PAEIMDHSIS PFMRKGA VGD WKKHFTVAQN ERFD EYKKK MTDTRLTFHFQF
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