

Product datasheet for MR221593

Sult2a4 (NM_001101534) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sult2a4 (NM_001101534) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sult2a4
Synonyms: EG434121; Gm5584
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221593 representing NM_001101534
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCAGACTATACTTGGTTTGAAGGGATACCTTTTCCTGCCATATCATATCAAAGAGAAATTTTGGAAAG
 ATATTCGTAATAGGTTTGTGGTAAAGAAGAAGACTTGTGATATTGACTTACCCCAAGTCAGGAACAAA
 CTGGTTGATTGAGATTGTCTGCTTGATTAGACCAAGGGAGATCAAAGTGGATCCAACTGTGTCCATT
 CAGGACCGCTCACCTGGCTAGAGACTAATAGAGGATATCCTGCATTAATCAATAAGCAAGGACCACGAC
 TCATAACCTCCCATCTTCCCATCCATCTTCTCCAAGTCTTTCTCAGTTCTAAGGCCAAGGCGATTTA
 TCTCATCAGAAATCCCAGAGATATTCTTCTTTCTGGTTACTTTTTCTGGGGTAACACAAACCTTGTGAAG
 AATCCAGGGTCACTCAGAACTTATTTTGAATGGTTCCTCAAAGGAAATGTCATATATGGATCATGGTTTG
 AGCATGTTTGTGGATGGCTGTCCATGAGAGAATGGGACAACCTTCTGGTACTGTACTATGAAGACATGAA
 AAAGGATACAAAGGGAACCATAAAGAAGATCTGTGACTTCCTAGGAAAAAATTAGAACCAGATGAGCTG
 GATCTCGTCTCAAGTACAGCTCCTTCCAAGCCATGAAAGAAAACAACATGTCCAATTATAGTCTCGTTA
 GCGAAGATATAATTACTAATGGCTTCAAGCTCATGAGAAAAGGTACAACCTGGGGACTGGAAGAATCACTT
 CACAGTAGCCCAAGCTGAAGCCTTCGATAAAGTTTTCCAGGAGAAAATGGCCGGATTCCCCCAGGGATG
 TTCCCATGGGAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221593 representing NM_001101534
 Red=Cloning site Green=Tags(s)

MSDYTWFEIGIPFPAISYQREILEDIRNRFVVKEDLLIL TYPKSGTNWLIEIVCLIQTKGDSKWIQTVSI
 QDRSPWLETNRGYPALINKQGPRLITSHLP IHLFSKSFSSKAKAIYLIRNPRDILLSGYFFWGNTNLVK
 NPGSLR TYFEWFLKGNVIYGSWF EHVCGWLSMREWDN FLVLYYEDMKKDTKGTIKKICDFLGKKLEPDEL
 DLVLKYSSSFQAMKENMSNYSLVSEDIITNGFKLMRKGT TGDWKNHFTVAQAEAFDKV FQEKMAGFPPGM
 FPWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9072_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001101534

ORF Size: 852 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001101534.1](#), [NP_001095004.1](#)

RefSeq Size: 964 bp

RefSeq ORF: 855 bp

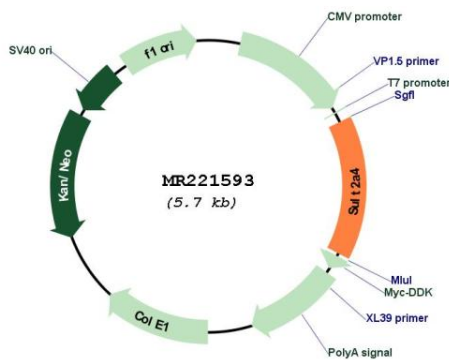
Locus ID: 434121

Cytogenetics: 7 A1

MW: 33.3 kDa

Gene Summary: This is one of seven sulfotransferase family 2A genes in a chromosome 7 A1 cluster. [provided by RefSeq, May 2010]

Product images:



Circular map for MR221593