

Product datasheet for **RG213146**

SULT1C4 (NM_006588) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SULT1C4 (NM_006588) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SULT1C4
Synonyms:	SULT1C; SULT1C2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213146 representing NM_006588 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTTACACGACATGGAGGATTTTACATTTGATGGAACAAAGCGCTTAAGTGCTCACTACGTGAAGG
GAATTCTTCAACCGACAGACACCTGTGACATCTGGGATAAGATCTGGAACCTCCAAGCCAAGCCTGATGA
CCTGCTTATTTCTACCTATCCTAAAGCAGGAACAACATGGACTCAGGAGATAGTGAATTAATACAAAAT
GAAGGTGATGTGGAGAAAAGTAAACGGGCACCGACTCATCAACGATTTCTTTCTCGAAATGAAAATCC
CATCCTTAGGATCTGGTTTGAACAAGCTCATGCAATGCCCTCACCACGGATCCTGAAAACACATCTTCC
CTTTCACCTTGCTGCCACCATCCTTGCTAGAGAAAAGTGAAGATAATCTATGTAGCAAGAAATCCCAAG
GACAACATGGTGTCTATTACCATTTCCAAAGAATGAATAAAGCTCTTCTGCTCCAGGAACATGGGAAG
AGTATTTTGAGACTTTTCTGGCTGGGAAAGTGTCTGGGGCTCCTGGCATGAACATGTGAAAGGATGGTG
GGAAGCCAAGACAAACACCGTATTCTCTATCTTCTATGAGGACATGAAGAAGAACCCAAAGCATGAA
ATTCAGAAGCTGGCAGAATTTATTGGGAAGAAATTAGATGACAAAGTTCTAGATAAAATTGTCCATTACA
CTTCGTTTGATGTCATGAAACAGAATCCAATGGCAAATTCATCGATTCTGCTGAAATCATGGACCA
CTCCATTTCTCCATTCATGAGAAAAGGGCAGTGGGAGACTGGAAGAAACACTTCACCGTGGCTCAGAAT
GAGAGATTTGATGAAGATTACAAGAAGAAATGACTGATACCAGACTAACTTTCCACTTCCAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213146 representing NM_006588
 Red=Cloning site Green=Tags(s)

MALHDMEDFTFDGTRKLSVNYVKGILQPTDTCDIWDKIWNFQAKPDDL ISTYPKAGTTWTQEIVELIQN
 EGDVEKSKRAPHQRFPFLEMKIPSLGSGLEQAHAMPSRILKTHLPFHLLPPSLLKKNCKIIYVARNPK
 DNMVSYHHFQRMNKALPAPGTWEEYFETFLAGKVCWGSWEHVKGWWEAKDKHRILYLFYEDMKKNPKHE
 IQKLAFIGKKLDDKVLDKIVHYTSFDVMKQNP MANYSSIPAEIMDHSISPFMRKGAVGDWKKHFTVAQN
 ERFD EYKKKMTDTRLTFHFQF

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006588

ORF Size: 906 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_006588.4](#)

RefSeq Size: 1664 bp

RefSeq ORF: 909 bp

Locus ID: 27233

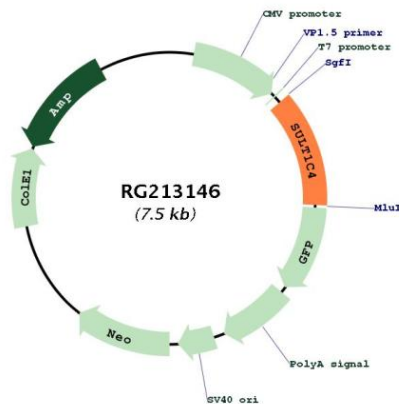
UniProt ID: [O75897](#)

Cytogenetics: 2q12.3

Domains: Sulfotransfer

Gene Summary: 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. The gene structure (number and length of exons) is similar among family members. This gene encodes a protein that belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG213146