

Product datasheet for **RC226031**

SLC6A6 (NM_001134367) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC6A6 (NM_001134367) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC6A6
Synonyms:	TAUT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC226031 representing NM_001134367
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGCCACCAAGGAGAAGCTGCAGTGTCTGAAAGATTTCCACAAGGACATCCTGAAGCCCTACCCAGGGA
 AGAGCCCAGGCACGCGGCTGAGGACGAGGCTGAGGGAAAACCTCCGACAGGGGAGAAGTGGTCTAGCAA
 GATCGACTTTGTCTCTGTGGCTGGCGGCTTCGTGGGCTTGGGCAACGCTCGCGCTTCCCGTACCTC
 TGCTACAAGAATGGTGGAGGTGCGTTTCTCATACCGTATTTATTTCTGTTTGGGAGCGGCTGCCTG
 TGTTTTCTTGGAGATCATCATAGGCCAGTACACCTCTGAAGGGGCGATCACCTGCTGGGAAAAGATCTG
 CCCCTTGTCTCTGATCGGCTATGCCTCCGTTGTAATTGTGTCCTCCTGAATGTCTACTACATCGTC
 ATCCTGGCCTGGCCACATACTACCTGTCCAGTCTCCAGAAGGAGCTGCCCTGGGCACACTGCAACC
 ACAGCTGGAACACACCTCACTGCATGGAGGACACCATGCGCAAGAACAAGAGTGTCTGGATCACCATCAG
 CTCCACCAACTTACCTCCCCTGTCATCGAGTTCTGGGAGCGCAACGTGCTGAGCTTGCCCTGGAATC
 GACCACCCAGGCTCTCTGAAATGGGACCTCGCTCTCGCTTCTTTAGTCTGGCTAGTGTGTTTCTTCT
 GCATCTGGAAGGCGTCAAGTCCACTGGGAAGGTGCTCTACTTCACAGCCACTTTTCCATTGCCATGCT
 CCTGGTGTCTGGTCCGAGGGCTGACGCTGCCGGGCGCGGGCGCAGGCATCAAGTTCTATCTGTATCCT
 GACATCACCCGCTTGGAGACCCACAGGTGTGGATTGACGCTGGGACTCAGATATTCTTCTTATGCCA
 TCTGCCTGGGGCTATGACCTCGCTGGGAGCTACAACAAGTACAAGTATAACTCGTACAGGGACTGTAT
 GCTGCTGGGATGCCTGAACAGTGGTACCAAGTTTGTGTCTGGCTTCGCAATTTTCCATCCTGGGCTTC
 ATGGCACAAGAGCAAGGGGTGGACATTGCTGATGTGGCTGAGTCAGGTCCTGGCCTGGCCTTCATTGCCT
 ACCCAAAAGCTGTGACAATGATGCCGCTGCCACATTTTGGTCCATTCTTTTTTTTATTATGCTTCTCTT
 GCTTGGACTGGATAGCCAGTTTGTGAAGTTGAAGGACAGATCACATCCTTGGTTGATCTTTACCCATCC
 TTCTTAAGGAAGGTTATCGTCGGGAAATCTTCATCGCCTTCGTGTGTAGCATCAGCTACCTGCTGGGGC
 TGACGATGGTGACGGAGGGTGGCATGTATGTGTTTCACTCTTTGACTACTATGCAGCTAGCGGTGTATG
 CCTTTTGTGGTTGCATTCTTTGAATGTTTGTATTGCTGGATATATGGAGGTGATAACCTTTATGAT
 GGTATTGAGGACATGATTGGCTATCGGCCCGGGCCCTGGATGAAGTACAGCTGGGCTGTGATCACTCCAG
 TTCTCTGTGTTGGATGTTTCATCTTCTCGCTCGTCAAGTACGTACCCCTGACCTACAACAAAACATACGT
 GTACCCCAACTGGGCCATTGGGCTGGGCTGGAGCCTGGCCCTTCTCCATGCTCTCGCTTCCCTTGGTC
 ATCGTCATCCGCTCTGCCAGACTGAGGGGCCGTTCTTGTGAGAGTCAAGTACCTGCTGACCCCAAGGG
 AACCCAAACGCTGGGCTGTGGAGCGCGAGGGAGCCACACCTTACAACCTCTCGACCGTCATGAACGGCGC
 TCTCGTGAACCGACCCACATCATTGTGGAGACCATGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC226031 representing NM_001134367
 Red=Cloning site Green=Tags(s)

MATKEKLQCLKDFHKDILKPSGKSPGTRPEDEAEGKPPQREKWSSKIDFVLSVAGGFVGLGNVWRFPYL
 CYKNGGGAFLIPYFIFLFGSGLPVFFLEIIIGQYTSEGGITCWEKICPLFSGIGYASVVIISLLNVYYIV
 ILAWATYYLFQSFQKELPWAHCNHSWNTPHCMEDTMRKNKSVWITISSTNFTSPVIEFWERNVLSLSPGI
 DHPGSLKWDALCLLLVWLVCFFCIWKGVIRSTGKVVYFTATFPFAMLLVLLVRGLTLPAGAGAIKFYLYP
 DITRLEDPOQWIDAGTQIFFSYAICLGAMTSLGSYNKYKNSYRDCMLLGCLNSGTSFVSGFAIFSILGF
 MAQEQQVDIADVAESGPLAFIAYPKAVTMMPLPTFWISILFFIMLLLLGLDSQFVEVEGQITSLVDLYPS
 FLRKGYRREIFIAFVCSISYLLGLTMVTEGMYVFQLFDYYAASGVCLLWVAFFECFVIAWIYGGDNLYD
 GIEDMIGYRPGPWMKYSWAVITPVLCVGCIFSLVKYVPLTYNKTYVYPNWAIGLWLSLSSMLCVPLV
 IVIRLCQTEGPFLVRVKYLLTPREPNRWAVEREGATPNSRTVMNGALVKPHTIIIVETMM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001134367

ORF Size: 1860 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

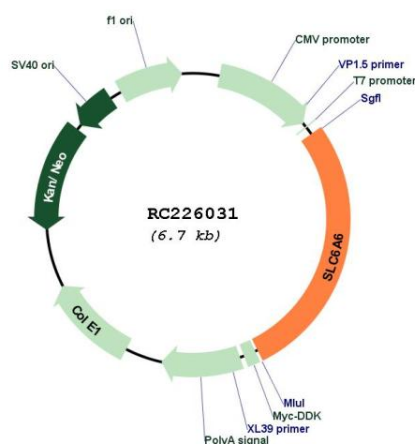
RefSeq: [NM_001134367.2](#)

RefSeq ORF: 2166 bp

Locus ID: 6533

UniProt ID:	<u>P31641</u>
Cytogenetics:	3p25.1
Protein Families:	Druggable Genome, Transmembrane
MW:	69.6 kDa
Gene Summary:	This gene encodes a multi-pass membrane protein that is a member of a family of sodium and chloride-ion dependent transporters. The encoded protein transports taurine and beta-alanine. There is a pseudogene for this gene on chromosome 21. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Product images:



Circular map for RC226031