

Product datasheet for **RC225224**

SLC6A6 (NM_001134368) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC6A6 (NM_001134368) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SLC6A6
Synonyms: TAUT
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC225224 representing NM_001134368
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCACCAAGGAGAAGCTGCAGTGTCTGAAAGATTTCCACAAGGACATCCTGAAGCCCTACCAGGGA
AGAGCCCAGGCACGCGCCTGAGGACGAGGCTGAGGGAAAACCTCCGAGAGGGAGAAGTGGTCTAGCAA
GATCGACTTTGTCTCTCTGTGGCTGGCGCTTCGTGGCTTGGGCAACGTCTGGCGCTCCCGTACCTC
TGCTACAAGAATGGTGGAGGTGCGTTTCTCATACCGTATTTATTTTCTGTTTGGGAGCGCCTGCCTG
TGTTTTTCTTGGAGATCATCATAGGCCAGTACACCTCTGAAGGGGGCATCACCTGCTGGGAAAAGATCTG
CCCCTTGTCTCTGGTATCGGCTATGCCTCCGTTGTAATTGTGTCCCTCCTGAATGTCTACTACATCGTC
ATCCTGGCCTGGGCCACATACTACCTGTTCAGTCCTCCAGAAGGAGCTGCCCTGGGCACACTGCAACC
ACAGCTGGAACACACCTCACTGCATGGAGGACACCATGCGCAAGAACAAGAGTGTCTGGATCACCATCAG
CTCCACCAACTCACCTCCCCTGTCATCGAGTTCTGGGAG

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC225224 representing NM_001134368
Red=Cloning site Green=Tags(s)

MATKEKLQCLKDFHKDILKPSGKSPGTRPEDEAEGKPPQREKWSKIDFVLSVAGGFVGLGNVWRFPYL
CYKNGGAFILIPYFIFLFGSGLPVFFLEIIIGQYSEGGITCWEKICPLFSGIGYASVVIIVSLLNVYIV
ILAWATYYLFQSFQKELPWAHCNHSWNTPHCMEDTMRKNKSVWITISSTNFTSPVIEFWE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

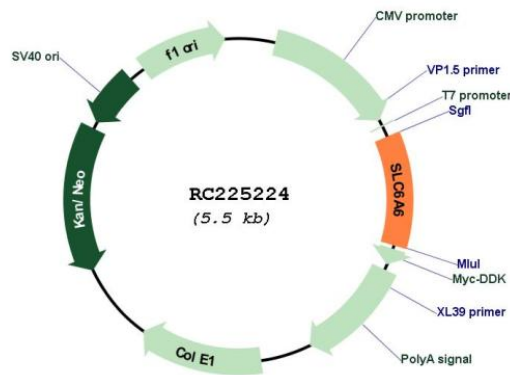


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001134368

ORF Size: 600 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_001134368.4](#)

RefSeq ORF: 603 bp

Locus ID: 6533

UniProt ID: [P31641](#)

Cytogenetics: 3p25.1

Protein Families: Druggable Genome, Transmembrane

MW: 22.6 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]