

Product datasheet for **RC227944**

SLC22A24 (NM_001136506) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC22A24 (NM_001136506) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC22A24
Synonyms:	NET46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227944 representing NM_001136506
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTTTGATGTGCTCCTGGATCAAGTGGTGGCATGGGGAGATTCCAGATTTGTCTGATAGCTTTCT
 TTTGCATACCAACATCCTACTGTTCCCTAATATTGTGTTGGAGAACTTCACTGCATTACCCCTAGTCA
 TCGCTGCTGGGTCCCCCTCCTGGACAATGACACTGTGTCTGACAATGATACCGGGACCCTCAGCAAGGAT
 GACCTCCTGAGAACTCCATCCCCTGGACTCAAACCTGAGGCCACAGAAGTGTGAGCGCTTTATCCATC
 CCCAGTGGCAGCTCCTTACCTGAACGGGACCTCCCCAACACAAATGAGCCAGACACGGAGCCCTGTGT
 GGATGGCTGGGTGTACGACAGAAGCTCTTCTCCTCCACCATCGTACTGAGTGGGACCTGGTATGTGAA
 TCTCAGTCACTAAAATCAATGGTTCAATCCCTATTTATGGCTGGGTCACCTCTGGGAGGTCTAATATATG
 GCCATCTTTGAGCAGGGTTGGACGGAAGATCATATGCAAAATTGTTTCTCCAGCTGGCCATCTCTAA
 CACCTGTGCGGCCTTCGCTCCCACCTTCTTGTACTGCATACTGCGCTTCTTGGCAGGGTTCTCCACC
 ATGACTATTTGGGAAACACTTTTATTCTCAGCTTAGAGTGGACATTGCCCGGTACAGTCTATGACAA
 TAATGGTGTCTATTATGTTCTACAGTGTGGGCAGATGCTCCTAGGAGGGCTGGCTTTTGCCATTAGGA
 CTGGCACATATTGCAACTGACTGTGTCTACACCATAATTGCCTCTTCTGTCTCTTGGGAAGTGGTG
 GAGTCTGCTCGGTGGCTGATTATCAACAATCAGCTAGATGAGGGCTTAAAGGAGCTTAGAAGAGTTGCAC
 ACATAAATGGAAAAAGAATACTGAAGAGACACTGACCACTGAGCTTGTGAGATCCACCATGAAGAAGGA
 GTTGGATGCAGTCCGAATTAACAATCCATTTTTCCCTGTTCCGTGCACCCAAATTGCGAATGAGAGTC
 TTCGGCTGTGCTTTGTGAGATTCGCAATCACTGTACCTTTTATGGCCTGATACTCAACTGCAGCACT
 TAGGGACCAATGTCTCCCTGTTCCAGATCTCTGTGGAGCTGTGACATTACAGCCAGATGTGTTCCCT
 TTTGACACTGAATCATATGGGTCTCGAATAAGCCAGATATTGTTACGTTCCCGGTGGGACTTTTCATT
 CTGGTCAACACCTTTTTGCCCAAGAAATGCAGATCCTGCGTGTGGTTTTAGCAACTTTGGGAATTGGTA
 GTGTTTCTGCTGCTAGCAACAGTCTTCTGTCCACCACAACGAGCTCGTCCCACCATATTGAGGTCAAC
 AGTTGCAGGAATCAATGCAGTGTCCGGTAGGACTGGGGCAGCACTGGCTCCTCTGTTGATGACCTTAATG
 GCGTATTCTCCACCTACCCTGGATTTCTATGGAGTCTTCCCACCTTGTCTGCTCCCTGTTATCTCC
 TCCTTCCAGAAACCAGGGATCTACCTTCTCTAACACCATCCAGGATGTGGAAAATGACAGAAAAGATTC
 AAGAAACATAAAGCAGGAAGATACTTGCATGAAAGTAACACAGTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227944 representing NM_001136506
 Red=Cloning site Green=Tags(s)

MGFDVLLDQVGGMGRFQICLIAFFCITNILLFPNIVLENFTAFTPSHRCWVPLLDNDTVSDNDTGLTSLKD
 DLLRISIPLDSNLRPQKQRFIHPQWQLLHLNGTFPNTNEPDTEPCVDGWYDRSSFLSTIVTEWDLVCE
 SSQLKSMVQSLFMAGSLLGGLIYGHLSDRVGRKIICKLCLQLAISNTCAAFAPTFLVYICILRFLAGFST
 MTILGNTFILSLEWTLPRSRSMTIMVLLCSYSVGMQLLGGLAFAIQDWHILQLTVSTPIIVLFLSSWKMV
 ESARWLIINNQLDEGLKELRRVAHINGKKNTEETLTTELVRSTMKKELDVRIKTSIFSLFRAPKLRMRV
 FGLCFVRFAITVPFYGLILNLQHLGSNVSLFQILCGAVTFTARCVSLLTLNHMGRRISQILFTFPVGLFI
 LVNTFLPQEMQILRVVLA TLGIGSVSAANSASVHHNELVPTILRSTVAGINAVSGRTGAALAPLLMTLM
 AYSPLPWISYGVFPI LAVPVILLPETRDLPLPNTIQDVENDRKRNIKQEDTCMKVTQF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8066_g11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001136506

ORF Size: 1656 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

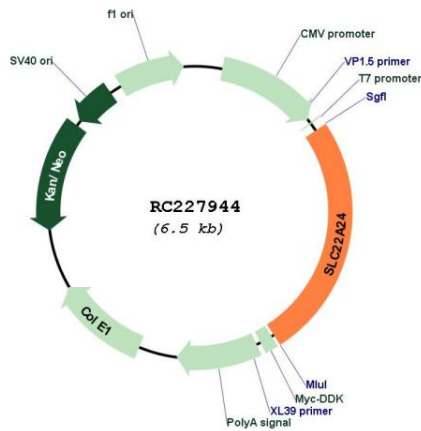
- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_001136506.2](#)

RefSeq ORF: 1659 bp
 Locus ID: 283238
 UniProt ID: [Q8N4F4](#)
 Cytogenetics: 11q12.3
 MW: 61.4 kDa

Gene Summary: SLC22A24 belongs to a large family of transmembrane proteins that function as uniporters, symporters, and antiporters to transport organic ions across cell membranes (Jacobsson et al., 2007 [PubMed 17714910]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RC227944