

Product datasheet for **SC326062**

SLC22A24 (NM_001136506) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC22A24
Synonyms:	NET46
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001136506, the custom clone sequence may differ by one or more nucleotides

```
ATGGGCTTTGATGTGCTCCTGGATCAAGTGGGTGGCATGGGGAGATTCCAGATTGTCTGATAGCTTTCT
TTTGCATCACCAACATCCTACTGTTCCCTAATATTGTGTTGGAGAAGTCACTGCATTCACCCCTAGTCA
TCGCTGCTGGGTCCCCCTCCTGGACAATGACACTGTGTCTGACAATGATACCGGGACCTCAGCAAGGAT
GACCTCCTGAGAATCTCCATCCCACTGGACTCAAACCTGAGGCCACAGAAGTGTGAGCGCTTTATCCATC
CCCAGTGGCAGCTCCTTACCTGAACGGGACCTTCCCCAACACAAATGAGCCAGACACGGAGCCCTGTGT
GGATGGCTGGGTGTACGACAGAAGCTTTTCTCTCCACCATCGTGACTGAGTGGGACCTGGTATGTGAA
TCTCAGTCACTAAAATCAATGGTTCAATCCCTATTTATGGCTGGGTCACTTCTGGGAGGTCTAATATATG
GCCATCTTTTCCAGACAGGGTTGGACGGAAGATCATATGCAAAATTGTGTTTCCCTCCAGCTGGCCATCTCTAA
CACCTGTGCGGCCTTCGCTCCACCTTCTTGTGTTACTGCATACTGCGCTTCTTGGCAGGGTTCTCCACC
ATGACTATTTTGGAAACACTTTTATTCTCAGCTTAGAGTGGACATTGCCCGGTACGATCTATGACAA
TAATGGTGCTATTATGTTCTACAGTGTGGGAGATGCTCCTAGGAGGGCTGGCTTTTGCCATTCAGGA
CTGGCAGATATTGCAACTGACTGTGTCTACACCATAATTGCTCTTCTTGTCTCTTGAAGATGGTG
GAGTCTGCTCGGTGGCTGATTATCAACAATCAGCTAGATGAGGGCTTAAAGGAGCTTAGAAGAGTTGCAC
ACATAAATGGAAAAAGAATACTGAAGAGACACTGACCACTGAGCTTGTGAGATCCACCATGAAGAAGGA
GTTGGATGCAGTCCGAATTAACATCCATTTTCCCTGTTCCGTGCACCCAAATTGCGAATGAGAGTC
TTCGGCTGTGCTTTGTGAGATTCGCAATCACTGTACCCTTTTATGGCCTGATACTCAACTTGCAGCACT
TAGGGAGCAATGTCTCCCTGTTCCAGATTCTGTGGAGCTGTACATTACAGCCAGATGTGTTCCCT
TTTGACACTGAATCATATGGGTGTCGAATAAGCCAGATATTGTTACGTTCCCGGTGGGACTTTTCATT
CTGGTCAACACCTTTTGGCCCAAGAAATGCAGATCCTGCGTGTGGTTTGTAGCACTTTGGGAATTGGTA
GTGTTTCTGCTGCTAGCAACAGTGCTTCTGTCCACCACAACGAGCTCGTCCCCACCATTAGAGGTCAAC
AGTTGCAGGAATCAATGCAGTGTCCGGTAGGACTGGGGCAGCACTGGCTCCTCTGTTGATGACCTTAATG
GCGTATTCTCCCCACCTACCCTGGATTTCCTATGGAGTCTTCCCATCCTTGTCTGCTCTGTTATCCTCC
TCCTTCCAGAAACCAGGGATCTACCTCTTCTAACACCATCCAGGATGTGGAATGACAGAAAAGATTC
AAGAAACATAAAGCAGGAAGATACTTGCATGAAAGTAACACAGTTTAA
```

Restriction Sites: Please inquire

ACCN: NM_001136506

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001136506.1 , NP_001129978.1
RefSeq Size:	2098 bp
RefSeq ORF:	1656 bp
Locus ID:	283238
UniProt ID:	Q8N4F4
Cytogenetics:	11q12.3
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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments, including cow AAI12500.1.