

## Product datasheet for **RG206677**

### SLC22A24 (NM\_173586) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SLC22A24 (NM\_173586) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SLC22A24  
**Synonyms:** NET46  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206677 representing NM\_173586  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCTTTGATGTGCTCCTGGATCAAGTGGGTGGCATGGGGAGATTCCAGATTTGTCTGATAGCTTTCT  
TTTGCATACCAACATCCTACTGTTCCCTAATATTGTGTTGGAGAACTTCACTGCATTCACCCCTAGTCA  
TCGCTGCTGGTCCCCCTCCTGGACAATGACAGTGTGTCTGACAATGATACCGGGACCCCTCAGCAAGGAT  
GACCTCCTGAGAATCTCCATCCCCTGGACTCAAACCTGAGGCCACAGAAGTGTCAGCGCTTTATCCATC  
CCCAGTGGCAGCTCCTTACCTGAACGGGACCTCCCCAACACAATGAGCCAGACACGGAGCCCTGTGT  
GGATGGCTGGGTGTACGACAGAAGCTTTTCTCTCCACCATCGTGACTGAGTGGGACCTGGTATGTGAA  
TCTCAGTCACTAAAATCAATGGTTCAATCCCTATTTATGGCTGGGTCACTGCTGGGAGGTCTAATATATG  
GCCATCTTTCAGACAGGGTTGGACGGAAGATCATATGCAAATTGTGTTTCTCCAGCTGGCCATCTCTAA  
CACCTGTGCGGCCTTCGCTCCCACCTTCTTGTACTGCATACTGCGCTTCTTGGCAGGGTTCTCCACC  
ATGACTATTTGGGAAACACTTTTATTCTCAGCTTAGAGTGGACATTGCCCGGTACGATCTATGACAA  
TAATGGTGCTATTATGTTCTACAGTGTGGGCAGATGCTCCTAGGAGGGCTGGCTTTTCCATTTCAGGA  
CTGGCACAATGCAACTGACTGTGTCTACACCATAATTGTCTCTTCTTGTCTTGGTATGAACAA  
TCTCCACATTCTTGCCTGTAAGCGAGGCTATGGTAGACATAGAAAGGAAAATTGTGACACCTGGGATCT  
GTTCCGGTCTGGCCTAGTCTGAGCCATGATGTCCATAGTACCTATTGTGTACC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG206677 representing NM\_173586  
 Red=Cloning site Green=Tags(s)

MGFDVLLDQVGGMGRFQICLIAFFCITNILLFPNIVLENFTAFTPSHRCWVPLLDNDSVSDNDTGTL SKD  
 DLLRISIPLDSNLRPQKCQRFIHPQWQLLHLNGTFPNTNEPDTEPCVDGWVYDRSSFLSTIVTEWDLVCE  
 SSQLKSMVQSLFMAGSLLGGLIYGHLSDRVGRKIICKLCFLQLAISNTCAAFAPTFLVYICILRFLAGFST  
 MTILGNTFILSLEWTLPRSRSMTIMVLLCSYSVGQMLLGLLAFALQDWHILQLTVSTPIIVLFLSSWYEQ  
 SPHSLPVSEAMVDIERKIIVTPGICSVSGLVLSHDVHSTYCVT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_173586

**ORF Size:** 966 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\\_173586.1](#), [NP\\_775857.1](#)

**RefSeq Size:** 1717 bp

**RefSeq ORF:** 969 bp

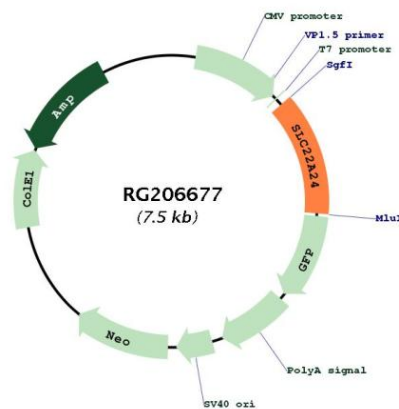
**Locus ID:** 283238

**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]

## Product images:



Circular map for RG206677