

## Product datasheet for **RG206971**

### SLC49A3 (NM\_032219) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC49A3 (NM_032219) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC49A3
Synonyms:	LP2561; MFSD7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206971 representing NM\_032219  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGCCGACGGAGGCCGAGACGGGGTTGGCCGAGCCCCGGGCCCTGTGCGCGCAGCGGGGCCACC  
 GCACCTACGCGCGCCGCTGGGTGTTCTGCTCGGATCAGCCTGCTCAACTGCTCCAACGCCACGCTGTG  
 GCTCAGCTTTGCACCTGTGGCTGACGTCATTGCTGAGGACTTGGTCTGTCCATGGAGCAGATCAACTGG  
 CTGTCACTGGTCTACCTCGTGGTATCCACCCCATTTGGCGTGGCGGCCATCTGGATCCTGGACTCCGTCG  
 GGCTCCGTGCGGCGACCATCCTGGGTGCGTGGCTGAACCTTGGCGGAGTGTGCTACGCATGGTGCCTG  
 CATGGTTGTTGGGACCAAAACCCATTTGCCTTCTCATGGGTGGCCAGAGCCTCTGTGCCCTTGCCAG  
 AGCCTGGTCATCTTCTCCAGCAAGCTGGCTGCCTTGTGGTCCCAGAGCACCAGCGAGCCACGGCCA  
 ACATGCTCGCCACCATGTGCAACCCTCTGGGCGTCTTGTGGCCAATGTGCTGTCCCTGTGCTGGTCAA  
 GAAGGGTGAAGACATTCCGTTAATGCTCGGTGTCTATACCATCCCTGCTGGCGTGTCTGCTGCTGTCC  
 ACCATCTGCCTGTGGGAGAGTGTCCCCCACCCTGCTGCGGGGGTGCAGCTCCACCTCAGAGA  
 AGTTCTGGATGGGCTCAAGCTGCTCATGTGGAACAAGGCCTATGTCATCCTGGCTGTGTGCTTGGGGG  
 AATGATCGGGATCTGCCAGCTTCTCAGCCCTCCTGGAGCAGATCCTCTGTGCAAGCGGCCACTCCAGT  
 GGGTTTTCCGGCCTCTGTGGCGCTCTTTCATCACGTTTGGGATCCTGGGGGACTGGCTCTCGGCCCT  
 ATGTGGACCGGACCAAGCACTTCACTGAGGCCACCAAGATTGGCCTGTGCTGTTCTCTCTGGCCTGCGT  
 GCCCTTTGCCCTGGTGTCCCAGCTGCAGGGACAGACCTTGGCCTGGCTGCCACCTGCTCGCTGCTCGGG  
 CTGTTTGGCTTCTCGGTGGGCCCGTGGCCATGGAGTTGGCGGTGAGTGTCTTCCCCGTGGGGGAGG  
 GGGCTGCCACAGGCATGATCTTTGTGCTGGGGCAGGCCGAGGGAATACTCATGCTGGCAATGACGGC  
 ACTGACTGTGCGACGCTCGGAGCGCTCTTGTCCACCTGCCAGCAGGGGGAGGATCCACTTGACTGGACA  
 GTGCTCTGCTGCTGATGGCCGGCCTGTGCACCTTCTCAGCTGCATCCTGGCGGTCTTCTTCCACACCC  
 CATAACCGCGCCTGCAGGCCGAGTCTGGGGAGCCCCCTCCACCCGTAACGCCGTGGGCGGCGCAGACTC  
 AGGGCCGGGTGTGGACCGAGGGGAGCAGGAAGGGCTGGGGTCTGGGGCCAGCAGCGGACTCCGGAG  
 TGCACGGCGAGGGGGCCTCGCTAGAGGACCCAGAGGGCCGGGAGCCCCACCCAGCCTGCCACCGAG  
 CGACTCCCCGTGCGCAAGGCCAGCAGCCACCGCGCCCTCCCGCCCCGAGACTCGCAGGCAGGGT  
 CCAAGCGTCCAGGTTTATTGACCCGGCTGGGTCTCACTCCTCTCTCTCCCCGTGGGTGATCAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG206971 representing NM\_032219  
 Red=Cloning site Green=Tags(s)

MAGPTEAETGLAEPRALCAQRGHRTYARRVWVFLLAISLLNCSNATLWLSFAPVADVIAEDLVL SMEQINW  
 LSLVYLVVSTPFVAAIWILDSVGLRAATILGAWLNFAAGSVLRMVMVPCMVVGTQNPFAFLMGGQSLCALAQ  
 SLVIFSPAKLAALWFPEHQRATANMLATMSNPLGVLVANVLSVVLVKKGEDIPMLGVYTIIPAGVCLLS  
 TICLWESVPPTPPSAGAAASSTSEKFLDGLKLLMWNKAYVILAVCLGGMIGISASFALLEQILCASGHSS  
 GFSGLCGALFITFGILGALALGPYVDRTKHFTEATKIGLCLFSLACVPPFALVSQIQGQTLALAATCSLLG  
 LFGFSVGPVAMELAVECSFPVGEAATGMIFVLGQAEGILIMLMTALTVRRSEPSLSTCQQGEDPLDWT  
 VSLLL MAGLCTFFSCILAVFFHTPYRRLQAESGEPSTRNAVGGADSGPGVDRGGAGRAGVLPSTATPE  
 CTARGASLEDPRGPGSPHPACHRATPRAQGAATDAPSRPGRLAGRVQASRFIDPAGSHSSFSSPWVIT

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

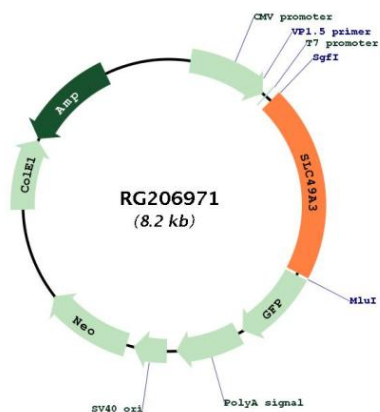
Cloning Scheme:



- ACCN:** NM\_032219
- ORF Size:** 1677 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\\_032219.4](#)
- RefSeq Size:** 1935 bp
- RefSeq ORF:** 1680 bp
- Locus ID:** 84179

UniProt ID: [Q6UXD7](#)  
 Cytogenetics: 4p16.3  
 Protein Families: Transmembrane

**Product images:**



Circular map for RG206971