

## Product datasheet for **RC208839**

### SLC44A3 (NM\_152369) Human Tagged ORF Clone

#### Product data:

|                    |  |
|--------------------|--|
| Product Type:      | Expression Plasmids                        |
| Product Name:      | SLC44A3 (NM_152369) Human Tagged ORF Clone |
| Tag:               | Myc-DDK                                    |
| Symbol:            | SLC44A3                                    |
| Synonyms:          | CTL3                                       |
| Vector:            | pCMV6-Entry (PS100001)                     |
| E. coli Selection: | Kanamycin (25 ug/mL)                       |
| Cell Selection:    | Neomycin                                   |



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**ORF Nucleotide Sequence:**

>RC208839 representing NM\_152369  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCTACTCGTGGTGGCTGGAGCCGCGGGAAGACTCCTCTTTGGCTATGACAGCTTTGGCAACATGT  
 GTGGCAAGAAGAACTCCCCGTGGAAGGGGCCCTCTTTTCAGGGCAGGACATGACCTAAAAAACACGT  
 GTTCTTTATGAATTCCTGCAACCTGGAAGTCAAAGGTACGCAGCTCAACCGCATGGCCCTCTGTGTATCC  
 AACTGCCCTGAAGAGCAGCTTGACTCCCTGGAAGAGGTCCAGTCTTTGCAAACACCAGTGGGCTCTTCC  
 TGTGTGTTATAGTTTGAATTCCTCAACTATACCACAGTCCAAAAGCAGACTCACTGTGTCCCAGGCT  
 ACCAGTTCCTCAAGCAAGTCATTTCCCTATTTAACCAGTGTGTCCCTCAAACACCTGAGTGTACTCC  
 CTATTTGCATCTGTTTGGATAAATGATGTTGACACCTCCACGAATTCTAAGTGAATCATGTCGGGAA  
 GAGATACAATCCTTGGCCTGTGTATCCTCGCATTAGCCTTGCTTTGGCCATGATGTTTACCTTCAGATT  
 CATCACACCCTTCTGGTTCACATTTTCATTTTCATTTGGTTATTTTGGGATTGTTGTTTGTCTGCGGTGT  
 TTATGGTGGCTGTATTATGACTATACCAACGACCTCAGCATAGAATTGGACACAGAAAGGAAAAATATGA  
 AGTGCCTGCTGGGTTTCTATCGTATCCACAGGCATCACGGCAGTGTCTGCTCGTCTTGATTTTTGTCT  
 CAGAAAGAGAATAAAATTGACAGTTGAGCTTTCCAAATCACAAATAAAGCCATCAGCAGTGTCCCTTC  
 CTGCTGTTCCAGCCACTGTGGACATTTGCCATCCTCATTTTCTTCTGGTCCCTCTGGGTGGCTGTCTGC  
 TGAGCCTGGGAAGTGCAGGAGCTGCCAGGTTATGGAAGGCGCCAAGTGAATATAAGCCCTTTCCGGG  
 CATTCCGTACATGTGGTTCGACATTTAATTGGCTCATCTGGACTAGTGAATTCATCCTTGCCTGCCAG  
 CAAATGACTATAGCTGGGCAGTGGTTACTTGTATTTCAACAGAAGTAAAAATGATCCTCCTGATCATC  
 CCATCCTTTCTGCTCTCCATTCTCTTCTTCTACCATCAAGGAACCGTTGTGAAAGGGTCATTTTAAT  
 CTCTGTGGTGGGATCCGAGAATCATTGTCATGTACATGCAAAAACGCACTGAAAGAACAGCAGCATGGT  
 GCATTGTCAGGTACCTGTTCCGATGCTGCTACTGCTGTTTCTGGTGTCTTGACAAATACCTGCTCCATC  
 TCAACCAGAATGCATATACTACAAGTCTATTAATGGGACAGATTTCTGTACATCAGCAAAAGATGCATT  
 CAAAATCTGTCCAAGAAGTCAAGTCACTTTACATCTATTAAGTCTTTGGAGACTTCATAATTTTTCTA  
 GGAAAGGTGTTAGTGGTGTGTTTCACTGTTTTTGGAGGACTCATGGCTTTTAACTACAATCGGGCATTCC  
 AGGTGTGGCAGTCCCTCTGTTATTGGTAGCTTTTTTGCCTACTTAGTAGCCCATGTTTTTTATCTGT  
 GTTTGAAACTGTGCTGGATGCATTTTCTGTGTTTTGCTGTTGATCTGGAACAATGATGGATCGTCA  
 GAAAAGCCCTACTTTATGGATCAAGAATTTCTGAGTTTCGTAAGGAGCAACAATTAACAATGCAA  
 GGGCACAGCAGGACAAGCACTCATTAAAGGAATGAGGAGGAACAGAAGTCCAGGCCATTGTGAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC208839 representing NM\_152369  
 Red=Cloning site Green=Tags(s)

MGYSVVAAGRLLFGYDSFGNMGKNSPVEGAPLSGQDMTLKKHVFFMNSCNLEVKGTQLNRMALCVS  
 NCPPEQLDSL EEVQFFANTSGSFLCVYSLNSFNTHSPKADSLCPRLPVPPSKSFPLFNRCVPQTEPCYS  
 LFASVLI NDVDTLHRILSGIMSGRDTILGLCILALALSLAMMFTFRFITLTVHIFISLVILGLLFCVGV  
 LWWLYDYDNDLSIELDTERENMKCVLGFIVSTGITAVLLVLI FVLRKRIKLTVELFQITNKAISSAPF  
 LLFQPLWTFAILIFFWLVWAVLLSLGTAGAAQVMEGGQVEYKPLSGIRYMWSYHLIGLIWTSEFILACQ  
 QMTIAGAVVTCYFNRSKNDPPDHPILSSLSILFFYHQGTVVKGSFLISVVRIPRIIVMYMQLKEQQHG  
 ALSRYLFRCCYCCFWCLDKYLLHLNQNAYTTTAINGTDFCTSAKDAFKILSKNSSHFTSINCFGDFIIFL  
 GKVLVVCFTVFGGLMAFNYNRAFQVWAVPLLLVAFFAYLVAHSFLSVFETVLDALFLCFVDLETNDGSS  
 EKPYPMDQEFLSFKRSNKLNNARAQQDKHSLRNEEGTELQAIVR

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-MluI

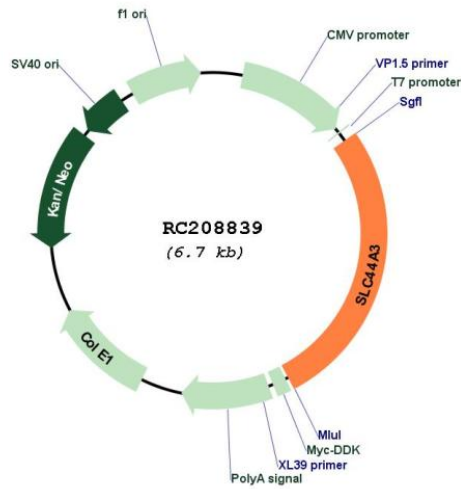
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM\_152369

ORF Size: 1815 bp

|                               |   |
|-------------------------------|---|
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_152369.5</a>   |
| <b>RefSeq Size:</b>           | 2332 bp   |
| <b>RefSeq ORF:</b>            | 1818 bp   |
| <b>Locus ID:</b>              | 126969  |
| <b>UniProt ID:</b>            | <a href="#">Q8N4M1</a>  |
| <b>Cytogenetics:</b>          | 1p21.3  |
| <b>Protein Families:</b>      | Transmembrane   |
| <b>MW:</b>                    | 68 kDa  |