

Product datasheet for **RC232993**

SLC44A3 (NM_001258343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A3 (NM_001258343) 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:

>RC232993 representing NM_001258343
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACTGCCTGGGCGCCGAGTACCTGGTGTATCATGGGCTACTCGGTGGTGGCTGGAGCCGCGGGAA
 GACTCCTCTTTGGCTATGACAGCTTTGGCAACATGTGTGGCAAGAAGAAGTCCCCCGTGGAGGGGCCCC
 TCTTTAGGGCAGGACATGACCCATAAAAAACACGTGTTCTTTATGAATTCCTGCAACCTGGAAGTCAAA
 GGGTCTTCTGTGTGTTATAGTTTGAATTCCTCAACTATACCCACAGTCCAAAAGCAGACTCACTGT
 GTCCCAGGCTACCAAGCAAGTCAATTCCTTATTTAACCGATGTGTCCCTCAAACACCTGA
 GTGCTACTCCCTATTTGCATCTGTTTGTATAAATGATGTTGACACCCTCCACCGAATCTAAGTGGAAATC
 ATGTCGGGAAGAGATAAATCCTGGCCTGTGTATCCTCGCATTAGCCTGTCTTTGGCCATGATGTTTA
 CCTTCAGATTCATCACCACCTTCTGGTTCACATTTTCATTTTATTGGTTATTTGGGATTGTTGTTTGT
 CTGCGGTGTTTTATGGTGGCTGATTATGACTATACCAACGACCTCAGCATAGAATTGGACACAGAAAGG
 GAAAATATGAAGTGCCTGCTGGGTTTGCATCGTATCCACAGGCATCACGGCAGTGTGCTCGTCTTGA
 TTTTTGTTCTCAGAAAGAGAATAAAATTGACAGTTGAGCTTTTCCAAATCACAAATAAAGCCATCAGCAG
 TGCTCCCTTCTGCTGTTCCAGCCACTGTGGACATTTGCCATCCTCATTTTCTTCTGGTCTCTGGGTG
 GCTGTGCTGTGAGCCTGGGAAGTGCAGGAGCTGCCAGGTTATGGAAGGCGGCCAAGTGGAAATAAAGC
 CCCTTCGGGCATTTCGGTACATGTGGTTCGATACATTTAATTGGCCTCATCTGGACTAGTGAATTCATCCT
 TGCGTGCCAGCAAATGACTATAGCTGGGCGAGTGGTACTTGTATTTCAACAGAAGTAAAAATGATCCT
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 CATTTTTAATCTCTGTGGTGGGATTCCGAGAATCATTGTCATGACATGCAAAACGCATGAAAGAACA
 GCAGCATGGTGCATTGTCCAGGTACCTGTTCCGATGCTGCTACTGCTGTTTCTGGTGTCTTGACAATAAC
 CTGCTCCATCTCAACCAGAATGCATATACTACAAGTCTATTAATGGGACAGATTCTGTACATCAGCAA
 AAGATGCATTCAAAATCTGTCCAAGAAGTCAAGTCACTTTACATCTATTAAGTCTTTGGAGACTTCAT
 AATTTTTCTAGGAAAGGTGTTAGTGGTGTGTTTCACTGTTTTTGGAGACTCATGGCTTTTAACTACAAT
 CGGGCATTCCAGGTGTGGCAGTCCCTCTGTTATTGGTAGCTTTTTTGCCTACTTAGTAGCCCATAGTT
 TTTTATCTGTGTTGAAACTGTGCTGGATGCATTTTCTGTGTTTTGCTGTTGATCTGGAACAAATGA
 TGGATCGTCAGAAAAGCCCTACTTTATGGATCAAGAATTTCTGAGTTTCGTA AAAAGGAGCAACAAATTA
 AACAATGAAGGGCACAGCAGGACAAGCACTATTAAGGAATGAGGAGGGAACAGAACTCCAGGCCATTG
 TGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232993 representing NM_001258343
 Red=Cloning site Green=Tags(s)

MHCLGAEYLVFIMGYSVVAGAAGRLLFGYDSFGNMCCKNSPVEGAPLSGQDMLTKKHVFFMNSCNLEVK
 GSFLCVYSLNSFNTHSPKADSLCPRLVPPSKSFPLFNRCVPQTECYSLFASVLIINDVTLHRI LSGI
 MSGRDTILGLCILALALSLAMMFTFRFITLLVHIFISLVILGLLFCVGLWWLYDYTNDSLIEIDTER
 ENMKCVLGFIVSTGITAVLLVIFVLRKRIKLTVELFQITNKAISSAPFLFQPLWTFAILIFFWLVW
 AVLLSLGTAGAAQVMEGGQVEYKPLSGIRYMWSYHLIGLIWTFSEILACQMQTIAGAVVTCYFNRSKNDP
 PDHPILSSLILFFYHQGTVVKGSFLISVVRIPRIIVMYMQNALKEQQHGALSRYLFRCCYCCFWCLDKY
 LLHLNQAYTTTAINGTDFCTSAKDAFKILSKNSSHFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFNYN
 RAFQVWAVPLLLVAFFAYLVAHSFVSVFETVLDALFLCFVDLETNDSSEKPYFMDQEFVSVFKRSNKL
 NNARAQQDKHSLRNEEGTELQAIVR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

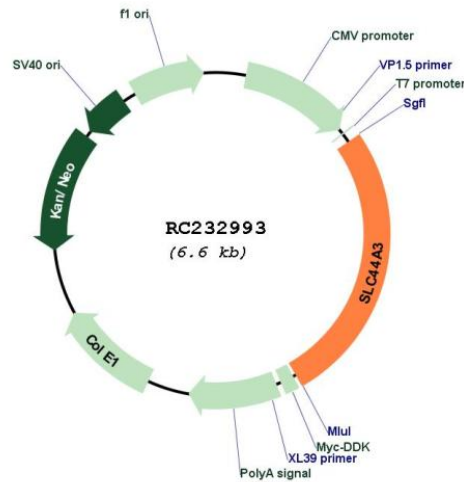
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001258343

ORF Size: 1755 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:	<ol style="list-style-type: none"> 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_001258343.2
RefSeq Size:	2193 bp
RefSeq ORF:	1758 bp
Locus ID:	126969
UniProt ID:	Q8N4M1
Cytogenetics:	1p21.3
Protein Families:	Transmembrane
MW:	66.3 kDa