

Product datasheet for **RC233020**

SLC44A3 (NM_001258341) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC44A3 (NM_001258341) 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:

>RC233020 representing NM_001258341
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACTGCCTGGGCGCCGAGTACCTGGTTTCTGCAGAAGGAGCCCTAGGCAAAGGGAGTGGCGACCCC
 AGATTTATAGGAAATGCACAGATACGGCATGGTTATTCCTGTTCTTTCTCTTTGGACTGGTTGGTGT
 TATCATGGGCTACTCGGTGGTGGCTGGAGCCGCGGAAGACTCCCTCTTTGGCTATGACAGCTTTGCAAC
 ATGTGTGGCAAGAAGAACTCCCCGTGGAAGGGGCCCTCTTCAGGGCAGGACATGACCCTAAAAAAC
 ACGTGTCTTTATGAATTCCTGCAACCTGGAAGTCAAAGGGTCTTCCTGTGTGTTATAGTTTGAATTC
 CTTCAACTATACCCACAGTCCAAAAGCAGACTCACTGTGTCCCAGGCTACCAGTTCCTCCAAGCAAGTCA
 TTTCCCTATTTAACCGATGTGCCCTCAAACACCTGAGTGTACTCCCTATTTGCATCTGTTTGTATAA
 ATGATGTTGACACCTCCACCGAATTCTAAGTGAATCATGTCCGGAAGAGATACAATCCTTGGCCTGTG
 TATCCTCGCATTAGCCTTGTCTTTGGCCATGATGTTTACCTTCAGATTCATCACCACCCTCTGGTTTAC
 ATTTTCATTTTATTGGTTATTTTGGGATTGTTGTTTGTCTGCGGTGTTTTATGGTGGCTGTATTGACT
 ATACCAACGACCTCAGCATAGAATTGGACACAGAAAGGGAAAATATGAAGTGCCTGCTGGGTTTGTCTAT
 CGTATCCACAGGCATCACGGCAGTGTGCTCGTCTTGTATTTTGTCTCAGAAAGAGAATAAAATTGACA
 GTTGAGCTTTTCCAAATCACAATAAAGCCATCAGCAGTGTCCCTTCTGCTGTCCAGCCACTGTGGA
 CATTGGCCATCCTCATTTTCTTGGGTCTCTGGGTGGCTGTGCTGTGAGCCTGGAACTGCAGGAGC
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 CATTAAATTGGCCTCATCTGGACTAGTGAATTCATCCTTGCCTGCCAGCAATGACTATAGCTGGGGCAG
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 CTGTTTTTGGAGGACTCATGGCTTTTAACTACAATCGGGCATTCCAGGTGTGGGCAGTCCCTCTGTTATT
 GGTAGCTTTTTTGCCTACTTAGTAGCCATAGTTTTTTATCTGTGTTTGAAGTGTGCTGGATGCACTT
 TTCTGTGTTTTGCTGTGATCTGAAACAAATGATGGATCGTCAGAAAAGCCCTACTTTATGGATCAAG
 AATTTCTGAGTTTCGTAAAAGGAGCAAAATTAACAATGCAAGGGCAGCAGGACAAGCACTCATT
 AAGGAATGAGGAGGGAACAGAACTCCAGGCCATTGTGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC233020 representing NM_001258341
 Red=Cloning site Green=Tags(s)

MHCLGAEYLVSAEGAPRQREWPRQIYRKCTD TAWLFLFFLFWTGLVFMGYSVVAGAAGRLLFGYDSFGN
 MCGKKNSPVEGAPLSGQDMTLKKHVFFMNSCNLEVKGSFLCVYSLNSFNTHSPKADSLCPRLPVPPSKS
 FPLFNRCVPQTPECYSLFASVLINDVDTLHRILSGIMSGRDTILGLCILALALSLAMMFTFRFITLLVH
 IFISLVILGLLFVCGVLWWLYDYTNDLSIELDTERENMKCVLGFIVSTGITAVLLVLFVLRKRIKLT
 VELFQITNKAISSAPFLFQPLWTFAILIFFWLVWAVLLSLGTAGAAQVMEGGQVEYKPLSGIRYMWSY
 HLIIGLIWTFSEFILACQQMTIAGAVVTCYFNRSKNPPDHPILSSLSILFFYHQGTVVKGSFLISVVRIPR
 IIVMYMQNALKEQHGLSRYLFRCCYCCFWCLDKYLLHLNQNAYTTTAINGTDFCTSAKDAFKILSKNSS
 HFTSINCFGDFIIFLGKVLVVCFTVFGGLMAFNYNRAFQWVAVPLLLVAFAYLVAHSFLSVFETVLDAL
 FLCFAVDLETNDGSSEKPYFMDQEFLSFKRSNKLNNARAQQDKHSLRNEEGTELQAIVR

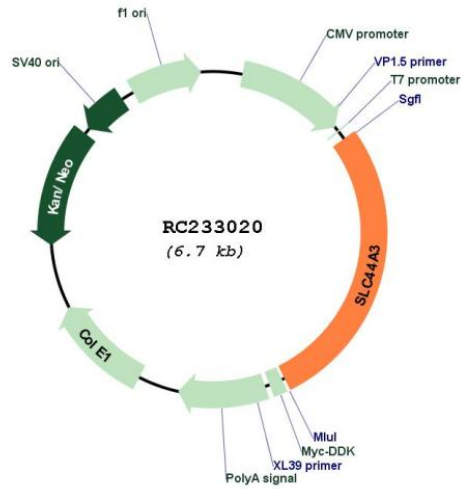
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001258341

ORF Size: 1860 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_001258341.2
RefSeq Size:	2298 bp
RefSeq ORF:	1863 bp
Locus ID:	126969
UniProt ID:	Q8N4M1
Cytogenetics:	1p21.3
Protein Families:	Transmembrane
MW:	70.5 kDa