

Product datasheet for **RC226109**

CTL5 (SLC44A5) (NM_001130058) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTL5 (SLC44A5) (NM_001130058) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CTL5
Synonyms:	CTL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC226109 representing NM_001130058
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAATGACACAGAAAAACCAGCAGATACTCCCTCTGAGGAAGAGGACTTTGGTATCCAAGGACATATG
 ACCCAGATTTCAAGGGGCTGTTGCCAACAGGAGTTGTACAGATGTTCTGTGCTGTATGATCTTCCCTACT
 GTGTATTATTGGCTACATTGTTTTAGGACTTGTGGCCTGGGTACATGGGGACCCAGAAGAGCAGCCTAT
 CCTACAGACAGCCAGGGCCACTTTTGTGGCCAGAAGGGCACTCCCAATGAGAACAAGACCATTTTGT
 ACTTTAACCTGTTACGCTGTACCAGTCCCTCCGTGTTGCTAAACCTACAGTGCCCTACCACACAGATCTG
 TGTCTCCAAGTGCCAGAAAAATTTTAACTATGTGAAATGCAACTTTTGTACACAAAAGACAAAAGC
 TACTGGGAAGACTACCGTCAGTCTGTAAAGACCACTGCTAAGCCTGTGAAGTCTCTCACACAGCTTTTAC
 TGGATGATGATTGCCAACGCGATTTTCCCAGCAAACCTTTTCTCCAGAGATGTTTCCCTGACTTCTC
 TACCAAAAATGGCACTTTAACAATAGGAAGTAAGATGATGTTTCAAGATGAAATGGAGGGACAAGAAGT
 GTTGTAGAACTCGGGATTGCTGCAAATGGTATCAATAAACTTCTTGATGCAAAGTCACTTGGATTGAAAG
 TGTTTGAAGACTATGCAAGAACTTGGTATTGGATTCTCATTGGCCTGACGATTGCCATGGTCCCTAGTTG
 GATATTTTGTACTTCTGAGGTTTCATAGCTGGATGCCTCTTCTGGGCTTTCATGATTGGTGTGATTGGA
 ATTATAGGTTATGGAATATGGCACTGTTACCAGCAGTACACCAATCTTCAGGAACGCCCAAGTTCTGTAT
 TAACTATCTATGACATCGGGATTCAGACTAACATAAGCATGTACTTTGAACTGCAACAAACATGGTTCAC
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 CGAGTCGCCATTATCCTGCTGAAGGAAGGAAGCAAAGCCATTGGATATGTTTCTAGTACATTAGTCTATC
 CAGCTTTAACTTTTCACTTTTCTCAATCTGCATTTGCTACTGGGTCGTGACAGCAGTTTTCTTGGCGAC
 ATCGGGGTACCTGTATACAAAGTCATAGCTCCAGGGGGCATTGTATACATGAAAATCAAACCTGTGAC
 CCAGAGATTTTTAATACTAACTGAAATTGCCAAAGCTTGCCTGGGGCTCTGTGAACTTTGCTTTCTATG
 GTGAAAGAGCTTGTACCATCAGTACATCCCTACCTTCCATGTATACAACTTATTTGCTTTCTCTGGCT
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 GATCCCTAGCATTGGATCTTTAATTATTGCATTAATTCAAATGTTTAAAATTGACTAGAATACTTGA
 CCACCGTCTTAAACGTACCCAGAACACATTGTCTAAATCCTACAATGCTGCCTGAGATGCTGCTTCTGG
 TGTTTGGAAAATGCAATAAAGTTTTTAAACAGAAATGCCTATATTATGATTGCAATATATGGCAGAACT
 TCTGCAGTCAAGAAAAGATGCTTCAATCTGCTGATGAGAAATGTTTGAAGTTGCAGTTACAGATGA
 AGTTACATACTTTGTATTATCCTGGGGAACTTCTAGTTGCTGGAAGTATAGGTGTTCTGGCCTTCCCTA
 TTCTTTCACACAAAGACTGCCAGTGATTGCACAAGGACCAGCATCTTAAATTACTACTGGGTACCTTTGC
 TGACAGTCATTTTTGGTCTTACCTGATTGCACATGGGTTCTTCCAGCGTCTATGCAATGTGTGTTGAAAC
 AATTTTCATCTGCTTCTTGAAGATTTAGAAAGAAATGATGGTTCTACTGCAAGACCTTATTATGTGAGT
 CAACCTTTGCTGAAGATTTCCAGGAGGAAAATCCACAACTAGGAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226109 representing NM_001130058
 Red=Cloning site Green=Tags(s)

MNDTEKPADTPSEEDFGDPRTYDPDFKGPVANRSCDVLCCMIFLLCIIGYIVLGLVAWVHGDPRAAY
 PTDSQGHFCGQKTPNENKILFYFNLLRCTSPSVLLNLQCPTTQICVSKCPEKFLTYVEMQLLYTKDKS
 YWEDYRQFCKTTAKPVKSLTQLLLDDDCPTAIFPSKPFLQRCFPDFSTKNGTLTIGSKMMFQDNGGTRS
 VVELGIAANGINKLLDAKSLGLKVFEDYARTWYWILIGLTIAMVLSWIFLILLRFIAGCLFWVFMIGVIG
 IIGYGIWHCYQQYTNLQERPSSVLTIIYDIGIQTNIISMYFELQQTWFTFMIILCIEVIVILMLIFLRNRI
 RVAIILLKEGSKAIGYVPSTLVYPALTFILLSICICYWVVTAVFLATSGVPVYKVIAPGGHCIHENQTC
 PEIFNTTEIAKACPGALCNFAFYGGKSLYHQYIPTFHVYNLFVFLWLFVIALGQCALAGAFATYYWAM
 KKPDDIPRYPLTAFGRAIRYHTGSLAFGLIIALIQMFKIVLEYLDHRLKRTQNTLSKFLQCCLRCCFW
 CLENAIKFLNRNAYIMIAIYGRNFCRSKADAFNLLMRNVLKVAVTDEVTYFVFLGKLLVAGSIGVLAFL
 FFTQRLPVIAQGPASLNYYWVPLLTVIFGSYLIAHGFFSVYAMCVETIFICFLEDLERNDGSTARPYVVS
 QPLLIKIFQEENPQTRKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001130058

ORF Size: 2151 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_001130058.2](#)

RefSeq ORF: 2154 bp

Locus ID: 204962

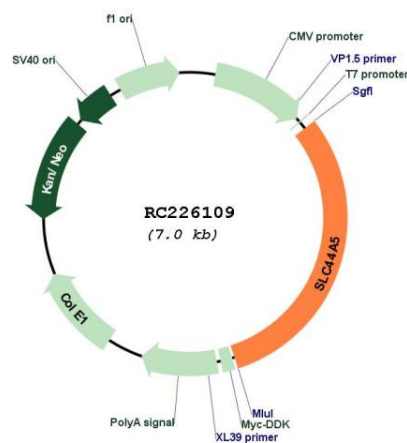
UniProt ID: [Q8NCS7](#)

Cytogenetics: 1p31.1

Protein Families: Transmembrane

MW: 81.4 kDa

Product images:



Circular map for RC226109