

Product datasheet for **RG206374**

CTL5 (SLC44A5) (NM_152697) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CTL5 (SLC44A5) (NM_152697) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLC44A5
Synonyms:	CTL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206374 representing NM_152697
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATGACACAGAAAAACCAGCAGATACTCCCTCTGAGGAAGAGGACTTTGGTATCCAAGGACATATG
 ACCCAGATTTCAAGGGGCTGTTGCCAACAGGAGTTGTACAGATGTTCTGTGCTGTATGATCTTCCCTACT
 GTGTATTATTGGCTACATTGTTTTAGGACTTGTGGCCTGGGTACATGGGGACCCAGAAGAGCAGCCTAT
 CCTACAGACAGCCAGGGCCACTTTTGTGGCCAGAAGGGCACTCCCAATGAGAACAAGACCATTTTGT
 ACTTTAACCTGTTACGCTGTACCAGTCCCTCCGATTGCTAAACCTACAGTGCCCTACCACACAGATCTG
 TGTCTCCAAGTGGCCAGAAAAATTTTAACTATGTGAAATGCAACTTTTGTACACAAAAGACAAAAGC
 TACTGGGAAGACTACCGTCAGTTCTGTAAGACCACTGCTAAGCCTGTGAAGTCTCTCACACAGCTTTTAC
 TGGATGATGATTGCCAACGCGATTTTCCCAGCAAACCTTTTCTCCAGAGATGTTTCCCTGACTTCTC
 TACCAAAAATGGCACTTTAACAATAGGAAGTAAGATGATGTTTCAAGATGGAAATGGAGGGACAAGAAGT
 GTTGTAGAACTCGGGATTGCTGCAAATGGTATCAATAAACTTCTTGATGCAAAGTCACTTGGATTGAAAG
 TGTTTGAAGACTATGCAAGAACTTGGTATTGGATTCTCATTGGCCTGACGATTGCCATGGTCCCTAGTTG
 GATATTTTGTACTTCTGAGGTTTCATAGCTGGATGCCTCTTCTGGGTCTTCATGATTGGTGTGATTGGA
 ATTATAGGTTATGGAATATGGCACTGTTACCAGCAGTACACCAATCTTCAGGAACGCCCAAGTTCTGTAT
 TAACTATCTATGACATCGGGATTCAGACTAACATAAGCATGTACTTTGAACTGCAACAAACATGGTTTAC
 ATTTATGATAACTCTGCATCATTGAAGTGATTGTATCCTCATGCTGATCTTCTCAGGAATCGAATC
 CGAGTCGCCATTATCCTGCTGAAGGAAGGAAGCAAAGCCATTGGATATGTTTCTAGTACATTAGTCTATC
 CAGCTTTAACTTTTCAATTTGCTCTCAATCTGCACTTTGCTACTGGGTCGTGACAGCAGTTTTCTTGGCGAC
 ATCGGGGTACCTGTATACAAAGTCATAGCTCCAGGGGGCATTGTATACATGAAAATCAAACCTGTGAC
 CCAGAGATTTTTAATACTAACTGAAATTGCCAAAGCTTGCCTGGGGCTCTGTGAACTTTGCTTTCTATG
 GTGAAAGAGCTTGTACCATCAGTACATCCCTACCTTCCATGTATACAACTTATTTGTCTTTCTCTGGCT
 TATAAACTTCGTCATTGCATTAGGTCAGTGCGCCCTTGTGGTGCATTGCTACTTATTACTGGGCCATG
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 GATCCCTAGCATTGGATCTTTAATTATTGCATTAATTCAAATGTTTAAAATTGACTAGAATACTTGA
 CCACCGTCTTAAACGTACCCAGAACACATTGTCTAAATCCTACAGTGCCTGAGATGCTGCTTCTGG
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 AGTTACATACTTTGTATTATTCCTGGGGAACTTCTAGTTGCTGGAAGTATAGGTGTTCTGGCCTTCCCTA
 TTCTTACACAAAAGACTGCCAGTGATTGCACAAGGACCAGCATCTTTATATTACTACTGGGTACCTTTGC
 TGACAGTCATTTTGGTCTTACCTGATTGCACATGGGTCTTTCAGCGTCTATGCAATGTGTGTTGAAAC
 AATTTTCATCTGCTTCTGTGAAGATCTGGAAAGAAATGATGGATCCACAGAAAAACCTACTTCTGTAACC
 CCTAACCTGCATGGAATTCTGATCAAGAAGCAACTAGTCCCCAGAAGCAGAAAGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >RG206374 representing NM_152697
 Red=Cloning site Green=Tags(s)

MNDTEKPADTPSEEEFDGDPRTYDPDFKGPVANRSCDVLCCMIFLLCIIGYIVLGLVAWVHGDPRAAY
 PTDSQGHFCGQKGTNPENKILFYFNLLRCTSPSVLLNLQCPTTQICVSKCPEKFLTYVEMQLLYTKDKS
 YWEDYRQFCKTTAKPVKSLTQLLLDDDCPTAIFPSKPFLLQRCFPDFSTKNGTLTIGSKMMFQDNGGTRS
 VVELGIAANGINKLLDAKSLGLKVFEDYARTWYWILIGLTIAMVLSWIFLILLRFIAGCLFVWFMIQVIG
 IIGYGIWHCYQQYTNLQERPSSVLTIIDIGIQTNISMYFELQQTWFTFMIILCIEVIVILMLIFLRNRI
 RVAIILLKEGSKAIGYVPSTLVYPALTFILLSICICYWVVTAVFLATSGVPVYKVIAPGGHCIHENQTC
 PEIFNTTEIAKACPGALCNFAFYGGKSLYHQYIPTFHVYNLFVFLWLFVIALGQCALAGAFATYYWAM
 KKPDDIPRYPLTAFGRAIRYHTGSLAFGLIIALIQMFKIVLEYLDHRLKRTQNTLSKFLQCCLRCCFW
 CLENAIKFLNRNAYIMIAIYGRNFCRSKADAFNLLMRNVLKVAVTDEVTYFVFLGKLLVAGSIGVLAFL
 FFTQRLPVIAQGPASLYYYWVPLLTVIFGSYLIAHGFFSVYAMCVETIFICFCEDLERNDGSTEKPYFVT
 PNLHGILIKKQLVPQKQKE

TRTRPLE - GFP Tag - V

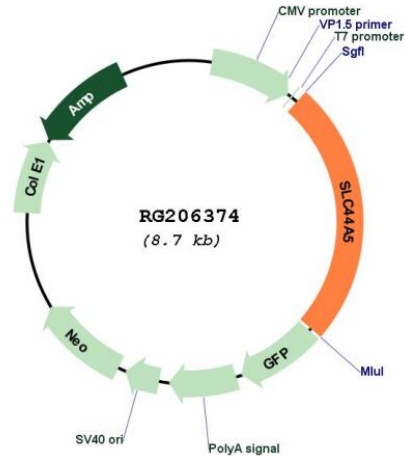
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_152697

ORF Size: 2157 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_152697.3](#)

RefSeq Size: 2302 bp

RefSeq ORF: 2160 bp

Locus ID: 204962
UniProt ID: [Q8NCS7](#)
Cytogenetics: 1p31.1
Domains: DUF580
Protein Families: Transmembrane