

Product datasheet for **RC210167**

C6orf192 (SLC18B1) (NM_052831) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C6orf192 (SLC18B1) (NM_052831) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C6orf192
Synonyms:	C6orf192; dj55C23.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC210167 ORF sequence, **codon optimized**.
Due to the complexity of NM_052831, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCACTGGGCGATCTGGAGGGCCCTCGCGCCCCGGAGGCGATGACCCCGCAGGTTCCGCCGGTG
 AAACCCCTGGTTGGCTGTCACGAGAACAAGTGTGGTACTGATCAGTGCCGCCTCAGTTAACCTGGGTTT
 TATGATGTGTACAGCATACTTGGACCTTTTTCCAAAGGAGGCTGAGAAGAAGGGAGCCAGCAATACC
 ATTATAGGCATGATCTTTGGCTGCTTCGCCCTTTTGGAGCTGCTCGCTTCCCTGGTGTTCGGAACTATC
 TGGTACACATCGGCGCAAAGTTCATGTTTGTAGCTGGCATGTTCTGTGCTGGCGGCGTAACCATTTTGT
 CGGGGTTCTTGATCGCGTGCCTGACGGACCACTGTTTCATCGCAATGTGCTTTCTGTACGAGTGATGGAT
 GCTGTCTCTTTCGAGCAGCAATGACTGCTTCCCTCATCTATCCTTGCAAAAGCATTCCCCAAATGTGG
 CCACAGTGCTCGGAAGTCTGGAGACATTCTCCGGGCTGGGACTGATTCTGGGTCCGCCAGTAGGGGGTTT
 TCTCTACCAGAGCTTCGGGTACGAGGTGCCCTTCATCGTCTGGGGTGCCTGCTGCTCTGATGGTGCC
 CTGAATATGTATCCTGCCAAATTACGAGTCAGACCTGGCGAGCATTCTTTCTGGAAGTTGATCGCCC
 TGCCAAAAGTGGGGCTGATTGCCTTTGTGATCAATCCCTCTCCTTGTTCGGATTCCCTCGACCAAC
 CCTGAGCCTGTTTGTGCTGGAGAAGTTCAACTTGCCCGCCGATATGTCGGCCTGTGTTCTCTGGCATG
 GCCTTGAGCTACGCCATCTCCAGCCTCTCTTTGGCCTGTTGTGAGATAAACACCCCCCTGAGGAAAT
 GGCTGCTCGTTTTCGAAATCTGATTACAGCAGGTTGCTACATGCTCCTGGGACCTGTCCCTATCCTGCA
 TATTAAGTCCCAGCTGTGGCTTCTGGTCTGATCCTTGTGTTAGTGGGCTGTCAGCCGGAATGAGCATC
 ATCCCTACCTTCCCCGAGATTCTCCTGTGCTCATGAGAACGGATTGGAAGAAGGGCTCTCTACATTGG
 GACTGGTCAGCGGCTTTTCTCCGCATGTGGTCAATCGGAGCTTTTATGGGACCTACACTTGGCGGATT
 TCTCTATGAAAAGATCGGATTTGAGTGGGCTGCCGCCATTCAGGGCCTTTGGGCACTCATCTCAGGCCTC
 GCCATGGGCTGTCTACCTTCTGGAGTATAGTAGCGAAAAAGGTCTAAAAGCCAAAACATCCTGTCTA
 CAGAAGAGGAACGCACCACTCTGCTGCCAAACGAGACA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC210167 representing NM_052831
 Red=Cloning site Green=Tags(s)

MEALGDLEGPAPGGDDPAGSAGETPGWLSREQVFLISAASVNLGSMCYILGPFFPKEAEKKGASNT
 IIGMIFGCFALFELLASLVFGNYLVHIGAKFMFVAGMFVSGGVTILFGVLDLDRVPDGPVFIAMCFLVRVMD
 AVSFAAAMTASSILAKAFNNVATVLSLETFSGLGLILGPPVGGFLYQSFGEVVPFIVLGCVVLLMVP
 LNMYILPNYSDPGEHSFWKLIAPKVGLIAFVINSLSFCGFLDPTLSLFVLEKFNLPAGYVGLVFLGM
 ALSYAISSPLFGLLSDKRPLRKWLLVFGNLIAGCYMLLGPVPIHIIKSQLWLLVILVVSGLSAGMSI
 IPTFPEILSCAHENGFEEGLSTLGLVSGLSAMWSIGAFMGPTLGGFLYEKIGFEWAAAIIQGLWALISGL
 AMGLFYLLEYSRRKRKSKQNILSTEEERTLLPNET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_052831

ORF Size: 1368 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_052831.2](#), [NP_439896.1](#)

RefSeq Size: 2452 bp

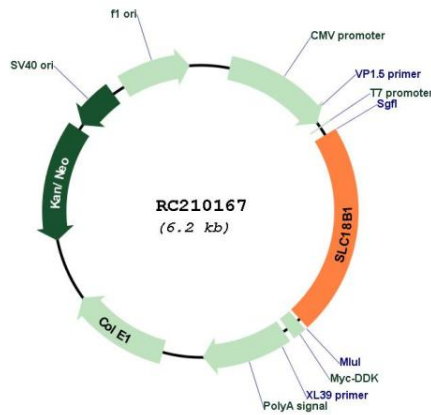
RefSeq ORF: 1371 bp

Locus ID: 116843

UniProt ID: [Q6NT16](#)

Cytogenetics: 6q23.2
Protein Families: Transmembrane
MW: 48.9 kDa
Gene Summary: This gene encodes a protein, which has high sequence similarity to rat, xenopus and zebrafish proteins. The protein function is unknown. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC210167