

Product datasheet for **RG210167**

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:	TurboGFP
Symbol:	SLC18B1
Synonyms:	C6orf192; dj55C23.6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG210167 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**

ATGGAGGCACTGGGCGATCTGGAGGGCCCTCGCGCCCCGGAGGGCATGACCCCGCAGGTTCCGCCGGTG
 AAACCCCTGGTTGGCTGTCACGAGAACAAGTGTGGTACTGATCAGTGCCGCCTCAGTTAACCTGGGTTCC
 TATGATGTGTACAGCATACTTGGACCTTTTTCCAAAGGAGGCTGAGAAGAAGGGAGCCAGCAATACC
 ATTATAGGCATGATCTTTGGCTGCTTCGCCCTTTTGGAGCTGCTCGCTTCCCTGGTGTTCGGAACTATC
 TGGTACACATCGGCGCAAAGTTCATGTTTGTAGCTGGCATGTTCTGTGCTGGCGCGTAACCATTTTGT
 CGGGGTTCTTGATCGCGTGCCTGACGGACCAAGTTCATCGCAATGTGCTTTCTGTACGAGTGTGGAT
 GCTGTCTCTTTCGAGCAGCAATGACTGCTTCCCTCATCTATCCTTGCAAAAGCATTCCCCAAATGTGG
 CCACAGTGTCCGGAAGTCTGGAGACATTCTCCGGGCTGGGACTGATTCTGGGTCCGCCAGTAGGGGTTT
 TCTCTACCAGAGCTTCGGGTACGAGGTGCCCTTCATCGTCTGGGGTGCCTGCTGCTCTGATGGTGCC
 CTGAATATGTATCCTGCCAAATACGAGTCAGACCTGGCGAGCATTCTTCTGGAAGTTGATCGCCC
 TGCCAAAAGTGGGGCTGATTGCCCTTGTGATCAATCCCTCTCCTTGTTCGGATTCCCTGGCCAAC
 CCTGAGCCTGTTTGTGCTGGAGAAGTCAACTTGCCCGCCGATATGTCGGCCTGTGTTCTCTGGCATTG
 GCCTTGAGCTACGCCATCTCCAGCCTCTCTTTGGCCTGTTGTCAGATAAACACCCCCCTGAGGAAAT
 GGCTGCTCGTTTTCGAAATCTGATTACAGCAGTTGCTACATGCTCCTGGGACCTGTCCCTATCCTGCA
 TATTAAGTCCCAGCTGTGGCTTCTGGTCTGATCCTTGTGTTAGTGGGCTGTCAGCCGGAATGAGCATC
 ATCCCTACCTTCCCCGAGATTCTCCTGTGCTCATGAGAACGGATTGGAAGAAGGGCTCTCTACATTGG
 GACTGGTCAGCGGCTTTTCTCCGCATGTGGTCAATCGGAGCTTTTATGGGACCTACACTTGGCGGATT
 TCTCTATGAAAAGATCGGATTTGAGTGGGCTGCCGCCATTCAGGGCCTTTGGGCACTCATCTCAGGCCTC
 GCCATGGGCTGTCTACCTTCTGGAGTATAGTAGCGAAAAAGGTCTAAAAGCCAAAACATCCTGTCTA
 CAGAAGAGGAACGCACCACTCTGCTGCCAAACGAGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG210167 representing NM_052831
 Red=Cloning site Green=Tags(s)

MEALGDLEGPAPGGDDPAGSAGETPGWLSREQVFLISAASVNLGSMCYLGPFFPKEAEKKGASNT
 IIGMIFGCFALFELLASLVFGNYLVHIGAKFMFVAGMFVSGGVTILFGVLDKRVDPGPFVIAFCFLVRVMD
 AVSFAAAMTASSILAKAFNNVATVLSLETFSGLGLILGPPVGGFLYQSFGEVFPFIVLGCVVLLMVP
 LNMYILPNYSDPGEHSFKLIALPKVGLIAFVINSLSFCGFLDPTLSLFVLEKFNLPAGYVGLVFLGM
 ALSYAISSPLFGLLSDKRPLRKWLLVFGNLITAGCYMLLGPVPIHILKISQLWLLVILVVSGLSAGMSI
 IPTFPEILSCAHENGFEEGLSTLGLVSGLFSAMWSIGAFMGPTLGGFLYEKIGFEWAAAIIQGLWALISGL
 AMGLFYLLLEYSRRKRKSKQNILSTEEERTLLPNET

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<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_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
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]