

Product datasheet for **RG223282**

C9ORF91 (TMEM268) (NM_153045) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C9ORF91 (TMEM268) (NM_153045) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C9ORF91
Synonyms:	C9orf91
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223282 representing NM_153045 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTGTGAACCACAGGTGGACCCGGGGGCCACTGGCCATTGCCCCCTCCTCCCCTGGCTGGAGTG
CCCTGCCTGGAGGGAGCCCTCCTGGCTGGGGGCAAGAGCTCCACAATGGCCAGGTCCTACTGTTCTCCG
GATTGACAATACCTGTGCACCCATCTCCTCGACCTGGGAGCCGAGAAGCAACTGCAAATTGGGGC
ATCCAGGTCCCGCTGACCAGTACAGGAGCTTGGCTGAGAGTGCCTCTTGGAGCCCAAGTGAGAAGAT
ATATCATCTACAACCTCGAGGCCTATGCGGCTGGCCTTTGCTGTGGTTTTCTATGTGGTGGTGTGGGCAA
TATCTACTCTACCAGTCAGATGTTTGCCTTGGGAACCACTGGGCTGGCATGCTGCTCGTACCCTGGCC
GCGGTGAGCCTGACCTTGACTCTTGTGCTGGTCTTTGAAAGACACCAGAAGAAGGCCAACCAACACGG
ACCTGAGGCTGGCAGTGCCAATGGAGCCCTCCTGAGACACCGGGTGTGCTGGGGGTGACAGACACAGT
GGAAGGATGCCAGAGTGTGATTCAGCTTTGTTTGTCTACTTCGACCTGGAGAAGTGTGTGCAGTTTTTG
TCTGATCATGTTCAAGAAATGAAGACTAGCCAAGAGTCTTGTGAGAAGCAGATTGAGCCAGTTGTGTG
TTGTGATGGAGACTGGGGTGGCCCTGCAACAGCGGAGGGGCTGAGAAGTTGGAGGATGCTCCTCCTCCT
GCCCGCAATTCTTGTCTAACGAGAGGCCACTCATGCAGACTGAGCTTCATCAGCTTGTTCCTGAGGCT
GAGCCGGAGAAATGGCCCGCCAGCTGCTGGCAGTGTGGCGGCTACTACATCCGGCTTCTAGTGACCT
CCAGCTCCCTCAGGCAATGGGGACACGACACAGAACTCTCCGAGAATCCATGCCCTGCCAGCTCAT
AGAAGCCTACATCCTAGGCACAGGGTGTGCCCCGTTCTGGCGAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223282 representing NM_153045
 Red=Cloning site Green=Tags(s)

MACEPQVDPGATGPLPPSSPGWSALPGGSPPGWGQELHNGQVLTVLRIDNTCAPISFDLGAEEQLQWTWG
 IQVPADQYRSLAESALLEPQVRRYIIYNSRPMRLAFVVFVYVVWANIYSTSQMFALGNHWAGMLLVTLA
 AVSLTLTLVLFERHQKANTNTDLRLAAANGALLRHRVLLGVTDTVEGCQSVIQLWFVYFDLENCVQFL
 SDHVQEMKTSQESLLRSRLSQLCVVMTGVSPATAEGPENLEDAPLLPGNSCPNERPLMQTELHQLVPEA
 EPEEMARQLLAVFGGYYIRLLVTSQLPQAMGTRHTNSPRIPCPCQLIEAYILGTGCCPFLAR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153045

ORF Size: 1026 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_153045.4](#)

RefSeq Size: 4413 bp

RefSeq ORF: 1029 bp

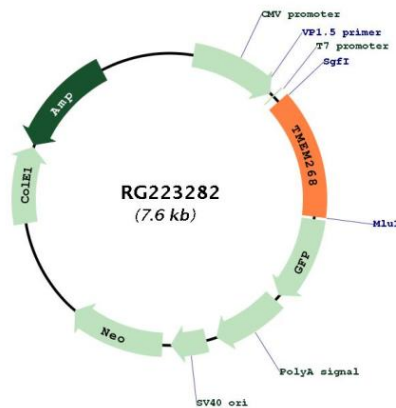
Locus ID: 203197

UniProt ID: [Q5VZI3](#)

Cytogenetics: 9q32

Protein Families: Transmembrane

Product images:



Circular map for RG223282