

Product datasheet for **RG202401**

C9orf156 (TRMO) (NM_016481) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	C9orf156
Synonyms:	C9orf156; HSPC219; NAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG202401 representing NM_016481
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCGGCTTGGAGGAGCCGGGGCTCGGCCTACAGCGACCCGTGCGGCTGCGTGAAGCCGGCTCTGG
AGACAGGGAATCTTTAACTGAGCCAGTCGGCTACTTGAATCTTGTCTCGGCCAAGAATGGTACTCC
AAGACAGCCATCCATTTGTAGCTATTCTCGAGCCTGTTTGAGGATTAGAAAGAGGATCTTTAATAATCCT
GAACATTCTTGATGGGCCTAGAACAGTTTCTCATGTTTGGATTTTGTGTTTTTCACAAAAACGGTC
ATTTGAGCTGTAAGGCAAAAGTGCAGCCTCCTAGGCTGAATGGTGCAAAGACTGGAGTTTTTCCACAAG
GAGCCCTCATCGTCCCAATGCAATAGGACTGACCCTGGCCAAGCTGGAAGGTAGAAGGTGGAGCTATA
TACCTTTCTGGAATTGACATGATACATGGCACACCCGTAAGACATCAAGCCCTACATAGCTGAGTATG
ACTCACCGCAAAATGTGATGGAGCCTTTAGCAGACTTTAATTTACAGAATAACCAACATACACCAACAC
TGTGTCCAGTCTGACAGCAAGACTGACAGCTGTGACCAGCGACAGCTCTCAGGGTGTGATGAGCCACAA
CCCCACCATAGCTAAGAGGAAACCTAAATGTCCTGAAGACAGAACTTCAGAAGAAAACCTGACAC
ACAGTGACACAGCCAGAATTCAGCAAGCATTTCCTATGCACAGGGAGATAGCAGTGGATTTTGGTTTGA
ATCAAGACGTGATCAGAGTTCAGCGTGGCAGAGAACAATTTGGCCATATTGCCAGAGAAGAGCTTT
TCAGAGAAAGGTACAGACAAGAAGCTAGAAAGAGTGGAAGGAGCAGCAGTCTTGCAAGGAAGCAGGGCAG
AGACACAGCCCATGGCCCTCACTGCCCTGCTGGAAGGGCTGATGGAGCTCCCGCAGCGTGGTTCTGCTG
CTGGGTGACAGAGGCTCCTGTGGCACTTTAGAAGTGCAGTTTACTCCTCATGCCGAGATGGACCTTGGG
CAGCTCAGTTCACAAGATGTTGGTCAGGCGTCATTTAATATTTTTCAGTCAGCAGAGGAAGCAAAGCGTG
CCATTGAGGCTGTGCTGTGAGCGGATCCTCGGTCTGTGTACCGCCGGAAGCTTTGCCAGGACCGCTTTT
CTACTTTACTGTAGACATAGCGCATGTCACTTGCTGGTTTGGTGATGGCTTTGAGAGGTGCTGAGGATC
AAGCCGGCTCTGAGCCTGTTTATGACTGGCCCTGTGGGTCTTGGTGTCTTAGGGTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG202401 representing NM_016481
Red=Cloning site Green=Tags(s)

MRGLEEPGRPTATPCGCVKPALETGNLLTEPVGYLESCFSAKNGTPRQPSICSYSRACLIRKRIFNNP
EHSLMGLEQFSHVWILFVFKNGHLSCKAKVQPPRLNGAKTGVFSTRSPHRPNAIGLTLAKLEKVEGGAI
YLSGIDMIHGTPVLDIKPYIAEYDSPQNVMEPLADFNLQNNQHTPNTVSQSDSKTDCDQRQLSGCDEPQ
PHHSTKRKPKCPEDRTSEENYLTHSDTARIQQAFPMHREIAVDGLESRRDQSSVAEEQIGPYCPEKSF
SEKGTDKKLERVEGA AVLQGSRAETQPMAPHCPAGRADGAPRSVVPAPWTEAPVATLEVRFTPHAEMDLG
QLSSQDVGQASFKYFQSAEEAKRAIEAVLSADPRS VYRRKLCQDRLFYFTVDIAHVTCWFGDGF AEVLRI
KPASEPVMHTGPVGSLSVSLGS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016481

ORF Size: 1323 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016481.3](#), [NP_057565.3](#)

RefSeq Size: 1646 bp

RefSeq ORF: 1326 bp

Locus ID: 51531

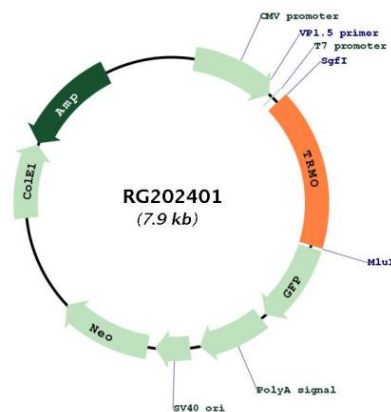
UniProt ID: [Q9BU70](#)

Cytogenetics: 9q22.33

Domains: UPF0066

Gene Summary: S-adenosyl-L-methionine-dependent methyltransferase responsible for the addition of the methyl group in the formation of N6-methyl-N6-threonylcarbamoyladenosine at position 37 (m(6)t(6)A37) of the tRNA anticodon loop of tRNA(Ser)(GCU) (PubMed:25063302). The methyl group of m(6)t(6)A37 may improve the efficiency of the tRNA decoding ability. May bind to tRNA (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202401