

Product datasheet for **RC232890**

C8ORF41 (TTI2) (NM_001265581) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C8ORF41 (TTI2) (NM_001265581) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C8ORF41
Synonyms:	C8orf41; MRT39
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC232890 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTTGACAGCGCTCTGGAAGCCCCATCGCAGGAAGACTCTAATTTGTCCGAGGAGTTGTCTCACT
 CGCCCTTTGGACAGGCCCTCTCCAAGATTTTACACTGTCTTGCCCGCCGAGGCACGACGAGGCAATGT
 AAAAGATGCAGTTCTTAAAGACCTCGGTGATCTAATAGAAGCCACAGAATTTGATAGGTTATTTAGGGG
 ACTGGTGCACGGCTCCGCGGAATGCCGGAGACTGGGGCAGGTAGCAAAAGCCCTGGAGAAGTATGCAG
 CCCCTCCAAGGAGGAGGAAGGTGGAGGTGATGGGCACTCCGAAGCGCCGAGAAAGCAGCCCAAGTTGG
 GTTACTGTTTCTAAACTGTTAGGGAAAGTTGAGACTGCTAAGAATTCCTGGTCGGCCCTGCATGGCAG
 ACGGGCTGCATCACTTGGCAGGACCCGTTTATTTTTGCCATCACACAGCTTGAGCAACCATGGA
 CCACTCCGAGATCTCGGAAGTTGCTAGGGAGGTGCTCACCTCACTGCTTCAAGTACTGAATGCGGTTT
 TGTGGCAGGATCTACATGGAGAAAATGAAGATGAGAAAAGGAGACTTTCGGTGATACTAGGGCTTCTC
 AAACCCGACTTGTATAAGGAATCCTGGAAGAATAACCCTGCCATCAAACATGTTTTCTCATGGACTCTGC
 AACAGGTCACTCGGCCCTGGCTGAGCCAGCATCTGGAAGGGTACTTCCCGCATATTGGTCATTTTCA
 TGACTATCAGACTGAGAACAAAATCCTGGGTGTACTGTCTCCATCACATTGTGCTTAATGTGCCAGCT
 GCTGATTTGCTCCAGTATAACAGAGCCAGGTCCTATACCATGCCATTTCCAACCACTGTACACACCAG
 AGCACCACCTCATTAGGCTGTGCTCCTGTGCTGCTGGATTTATTTCCCATCTGGAGAAAACCTGCA
 CTGGAAGGAGATGGAGCTCGACCCACCCATTGTGATGAGGTCTGCGGCTGATCTGACCCACATG
 GAGCCAGAGCACCGCCTCTTTTACGCAGGACCTACGCAAGAACTGCCGGCTTTCGTGAACAGGTTGG
 GGATCCTAACTGTCCGGCACTTAAAGAGGCTGGAGAGATCATTTGGTTATCTGGAGGTTTATGATGG
 ACCTGAGGAGGAAGCTAGACTGAAGATATTGGAACCCTAAAACCTTCTCATGCAACATACTTGGCCAGA
 GTTTCCTGCAGACTTGTGGTCTTACTGAAGCCCTTGAAGTATTTGTGATGTAGAAGGGATCCAA
 ACCTTACACTGAGTCTGTTAAGAGCGCCTGCTACAGGAGGCCACAGACTGCCTGATTCTCTGGACCG
 CTGTTCTCAAGGACGGGTAAGGGTCTCTGGCCAAAATCCCCAAAGCTGTGAAGACAGAAAAGTGGTG
 AACTATATCAGAAAAGTGCAGCAGGTTTCTGAAGGCGCACCTACAATGGAAT

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232890 protein sequence
 Red=Cloning site Green=Tags(s)

MELDSALEAPSQEDSNLSEELSHSAFGQAFSKILHCLARPEARRGNVKAVALKDLGDLIEATEFDRLFEG
 TGARLRGMPETLGQVAKALEKYAAPSKEEEGGDGHSEAAEKAAQVGLLFLKLLGKVETAKNSLVGPAWQ
 TGLHHLAGPVYIFAITHSLEQPWTPRSREVAREVLTSLQVTECGSVAGFLHGENEDEKGRLSVILGLL
 KPDLYKESWKNNPAIKHVFSWTLQQVTRPWLSQLERVLPAASLVISSDYQTENKILGVHCLHHIVLNVPA
 ADLLQYNRAQVLYHAISNHLYPEHHLIQAVLLCLLDLFPILKTLHWKGDGARPTTHCDEVLRLLILTHM
 EPEHRLRLRRTYARNLPFVNRLGILTVRHLKRLERVIIGYLEVYDGPPEEARLKILETLKLLMQHTWPR
 VSCRLVLLKALLKLCIDVARDPNLTPESVKSALLQEATDCLILLDRCSQGRVKLLAKIPQSCEDRKVV
 NYIRKVQQVSEGAPYNGT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6529_h08.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001265581

ORF Size: 1524 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_001265581.2](#)

RefSeq Size: 2516 bp

RefSeq ORF: 1527 bp

Locus ID: 80185

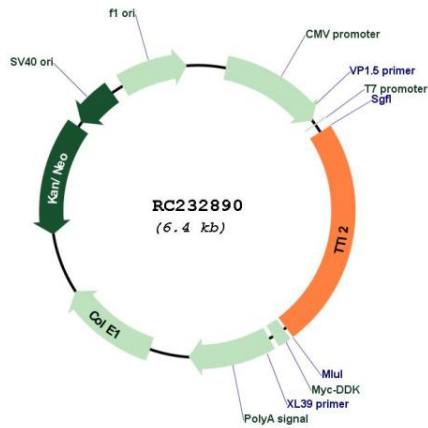
UniProt ID: [Q6NXR4](#)

Cytogenetics: 8p12

MW: 56.9 kDa

Gene Summary: This gene encodes a regulator of the DNA damage response. The protein is a component of the Triple T complex (TTT) which also includes telomere length regulation protein and TELO2 interacting protein 1. The TTT complex is involved in cellular resistance to DNA damage stresses and may act as a regulator of phosphoinositide-3-kinase-related protein kinase (PIKK) abundance. [provided by RefSeq, May 2013]

Product images:



Circular map for RC232890