

Product datasheet for **RG236004**

C21orf7 (MAP3K7CL) (NM_001286620) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C21orf7 (MAP3K7CL) (NM_001286620) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MAP3K7CL
Synonyms: C21orf7; HC21ORF7; TAK1L; TAKL; TAKL-1; TAKL-2; TAKL-4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236004 representing NM_001286620.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCAGCACAGCCAGGGTACCTGCTGACAAGCCTGTACGCATCGCCTTTAGCCTCAATGACGCCTCA
GATGATACACCCCTGAAGACTCCATTCCTTTGGTCTTTCCAGAATTAGACCAGCAGCTACAGCCCTG
CCGCCTTGTCATGACTCCGAGGAATCCATGGAGGTGTTCAAACAGCACTGCCAAATAGCAGAAGAATAC
CATGAGGTCAAAAAGGAAATCACCTGCTTGGAGCAAGGAAGAAGGAGCTCATTGCCAAGTTAGATCAG
GCAGAAAAGGAGAAGGTGGATGCTGCTGAGCTGGTTCGGGAATTCGAGGCTCTGACGGAGGAGAATCGG
ACGTTGAGGTTGGCCAGTCTCAATGTGTGGAACAACCTGGAGAACTTGAATACAGTATCAGAAGAGG
CAGGGCTCGTCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236004
Blue=ORF Red=Cloning site Green=Tag(s)

```
MISTARVPADKPVRIAFSLNDASDDTPPEDIPLVFPELDQQLQPLPPCHDSEESMEVFKQHCQIAEEY
HEVKKEITLLEQRKKELIAKLDQAEKEKYDAAELVREFEALTEENRTLRLAQSQCVEQLEKLRIQYQKR
QGSS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

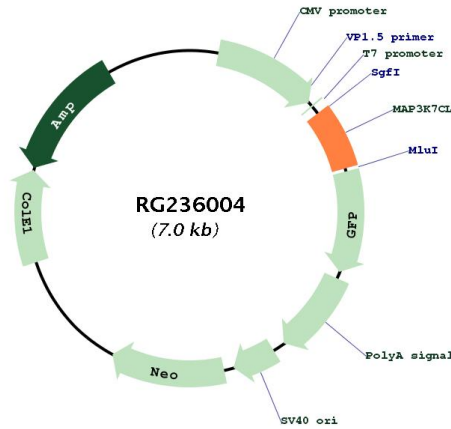


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001286620

ORF Size: 426 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).
RefSeq:	<u>NM_001286620.2</u>
RefSeq Size:	1918 bp
RefSeq ORF:	429 bp
Locus ID:	56911
UniProt ID:	<u>P57077</u>
Cytogenetics:	21q21.3
Protein Families:	Transcription Factors
MW:	16.8 kDa