

Product datasheet for **RC236865**

C21orf7 (MAP3K7CL) (NM_001286634) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C21orf7 (MAP3K7CL) (NM_001286634) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C21orf7
Synonyms:	C21orf7; HC21ORF7; TAK1L; TAKL; TAKL-1; TAKL-2; TAKL-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236865 representing NM_001286634 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTTCAGCTGATTGCACCTTTAGAAGTTATGTGGAACGAGGCAGCAGATCTTAAGCCCTTGCTCTGT
CACGCAGGCTGGAATGCAGTGGTGAATCATGGCTCACTACAGCCCTGACCTCCTGGGCCAGAGATGGA
GTCTCGCTATTTGCCCAGGTTGGTCTTGAACACCTGGCTTCAAGCAGTCTCTGCTTTTGGCTTCTTG
AAGTGCTTGGATTACAGTATTTCAAGTTTATGCTCTGCAACAAGTTTGGCCATGTTGGAGGACAATCCAA
AGGTCAGCAAGTTGGCTACTGGCGATTGGATGCTCACTCTGAAGCCAAAGTCTATTACTGTGCCCGTGA
AATCCCCAGCTCCCTCTGGATGATACCCCCCTGAAGACTCCATTCCTTTGGTCTTTCCAGAATTAGAC
CAGCAGCTACAGCCCCTGCCGCTTGTCTGACTCCGAGGAATCCATGGAGGTGTTCAAACAGCACTGCC
AAATAGCAGAAGAATACCATGAGGTCAAAAAGGAAATCACCTGCTTGAGCAAAGGAAGAAGGAGCTCAT
TGCCAAGTTAGATCAGGCAGAAAAGGAGAAGGTGGATGCTGCTGAGCTGGTTCGGGAATTCGAGGCTCTG
ACGGAGGAGAATCGGACGTTGAGGTTGGCCAGTCTCAATGTGTGGAACAACCTGGAGAACTTCCAATAC
AGTATCAGAAGAGGCAGGGCTCGTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC236865 representing NM_001286634
 Red=Cloning site Green=Tags(s)

MVQLIAPLEVMWNEAADLKPLALSRRLECSGGIMAHYSPDLLGPEMESRYFAQVGLEHLASSPPAFGFL
 KCLDYSISVLCSATSLAMLEDNPKVSKLATGDWMLTLKPKSITVPVEIPSSPLDDTPPEDIPLVPELD
 QQLQPLPPCHDSEESMEVFKQHCQIAEEYHEVKKEITLLEQRKKELIAKLDQAEKEKVDAELVREFEAL
 TEENRTLRLAQSQCVEQLEKLRIQYQKRQGSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8023_d10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001286634

ORF Size: 726 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_001286634.2](#)

RefSeq Size: 2031 bp

RefSeq ORF: 729 bp

Locus ID: 56911

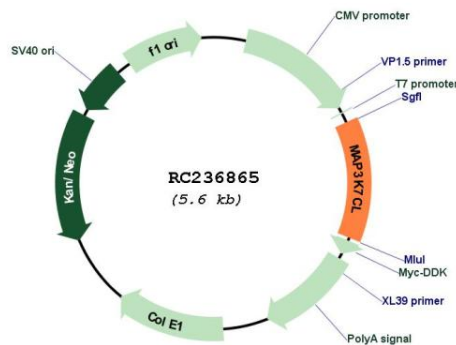
UniProt ID: [P57077](#)

Cytogenetics: 21q21.3

Protein Families: Transcription Factors

MW: 27.2 kDa

Product images:



Circular map for RC236865