

Product datasheet for **RC211117**

C18orf21 (NM_031446) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C18orf21 (NM_031446) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C18orf21
Synonyms:	HsT3108; PNAS-124; PNAS-131; XTP13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211117 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGACAGAAGCACTACCTTGAGGCTGCAGCGCGGGACTGCACGACAGCTGCCCGGGCCAAGCCCGCT
ACCTCCTCTGGGCTACACTTCGTCGCACGATGATAAGAGCACTTTTGAAGAAACGTGCCATACTGTTT
CCAGCTGTTGGTCTGGATAACTCTCGAGTGCCTCAAACCCAAAGCCAGGTTGACACCCAAAAATACAG
AACTTCTTAATCGAGAAGCGAGAACTATACACTCAGTTTTAAAGAAGCAAAAATGGTAAAAAGTTCA
AAGACTCCAAAAGTGTATTGTTGATCACTGTAAAACATGCAACAGAACAGTGAAACATCATGGTAAAAG
TAGAAGCTTTGTGCAACATTGAAGAGCAATCCTGCCACTCCTACAAGTAACTCAGCCTGAAGACCCA
GAGAGAAGGACTGCAAACCCAAATCATGACATGTCTGGCTCGAAAAGCAAGAGCCAGCATCGGTTTTCA
GAACACCTACATCTGGACAGTCAGTATCTACTTGCTCCTCAAAGAACCAGCAAAAACAAAGAACTT
CTCTCAACTAAAAATGTTACTTAGTCAGAATGAATCCCAAAGATTCCAAAGGTGGACTTCAGAAATTC
TTATCTTCTCTGAAGGTGGACTTTTAAAA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211117 protein sequence
Red=Cloning site Green=Tags(s)

MRQKHYLEAAARGLHDSCPGQARYLLWAYTSSHDDKSTFEETCPYCFQLLVLDNSRVRLKPKARLTPKIQ
 KLLNREARNYTL SFKEAKMVKKFKDSKSVLLITCKTCNRTVKHHGKSRSFVSTLKSNPATPTSKLSLKTP
 ERRRTANPNHDMGSKGKSPASVFRTPTSQGSVSTCSSKNTSKTKKHFSQLKMLLSQNESQKIPKVDFRNF
 LSSLKGGLLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6378_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031446

ORF Size: 660 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_031446.5](#)

RefSeq Size: 1057 bp

RefSeq ORF: 663 bp

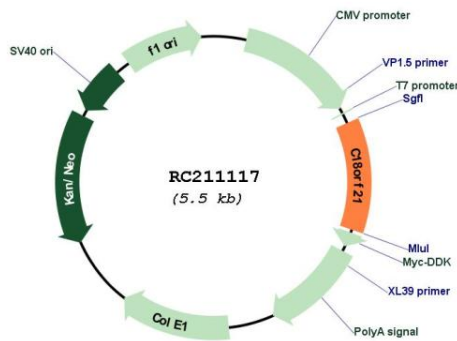
Locus ID: 83608

UniProt ID: [Q32NC0](#)

Cytogenetics: 18q12.2

MW: 24.8 kDa

Product images:



Circular map for RC211117