

Product datasheet for RC224311

C21orf58 (NM_058180) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C21orf58 (NM_058180) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C21orf58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224311 representing NM_058180 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGATCTCGGCTCCCTGCAACCTCCCTCAGGAAGCCGTGGAAGCTCGACCGCCAGAACTTCCTT
CTCCTGACTCAGGCCACAGTCTTCTGTGTGGCTGGTCTCCAGGAGGTAAGGCCCGCCCTGCAGGCAACAC
CGGTGCTTGGGCTCCTGCTGAGCAGTCTTTCTGCGAGTAACAGAACCAGGGAGGGAGGTGGGCTGTGG
CTCCCCTGCCCTACAGTCGTCTCCTGCAGCTCCCACCATGCTGGACTCATCAGCAGCAGAGCAAGTGA
CCCGACTGACGCTGAAGCTCTTGGGACAGAAGCTGGAGCAAGAACGGCAGAACGTGGAAGGGGACCTGA
GGGCTCCACCTCGAGCCAGAAATGAGGACCGCCGGACGATGCCCTGCAGACTGCTCTGAAGAGAAGG
AGGGACCTTCTGCAGAGACTCCGGGAACAACACCTCCTGGACGAGCTCTCTCGGGCCAGGCCTGGAGCG
GGCCAAGCAGAGGAGCCCTCGGGTCAAGCCTGCCCCAGAGCTGCCCCACGGGCATCCTACCCACTGC
CTCCCCATCCCCGCTGGCCCGAGACCCGCAAGGATCATCCTGCCTACGGTCCCCAGCCTCCTGCCACC
ATCATTCAAGCAGCTCCCTCAGCAGCCACTCATAGCACAGATTCTCCTCCCCAGGCCTTCCCTACTCAAC
GGTCAGGAAGTATTAAGGAAGACATGGTGGAGCTGCTGCTGCTGCAGAACGCACAGGTGCACCAGTTGGT
CCTGCAGAACTGGATGCTCAAGGCCCTGCCCCAGCCCTGCAGGACCCGCCACATGTGCCCCGAGGGTC
CCACGAGCTGCCAGGCCAAGGCTGCCTGCCGTGCCACCACCACCACCACCACCACCATGCTGTGTGCCAC
CTGGGGCTGCCACTGTCTCCAGCCCGCCCGAGCCTGTGGACGCTGGCCACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC224311 representing NM_058180
Red=Cloning site Green=Tags(s)

MARSRLPATSLRKPWKLDRQKLPSPDSGHSLLCGWSPGGKARPAGNTGAWAPAEQFFPASNRTREGGLW
 PPLPLQSSPAAPTMLDSSAAEQVTRLTLKLLGQKLEQERQNVGGPEGLHLEPGNDRPDDALQTALKRR
 RDLLQRLREQHLLDEL SRAQAWSGPSRGALGSALPPELPPTGILPTASPSPLAPDPPRIILPTVPQPPAT
 IIQQLPQQPLIAQIPPPQAFPTQRSGSIKEDMVELLLLLQNAQVHQLVLQNWMLKALPPALQDPPHVPPRV
 PRAARPRLPVHHHHHHHHAVWPPGAATVLPAPSLWTPGPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8043_d12.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_058180

ORF Size: 966 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_058180.5](#)

RefSeq Size: 2991 bp

RefSeq ORF: 969 bp

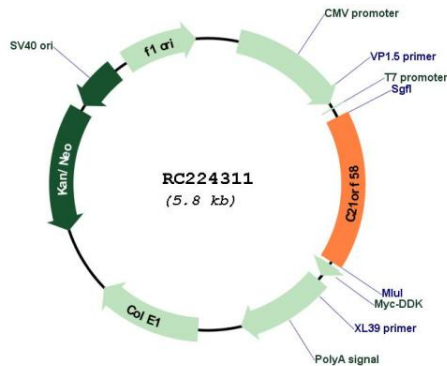
Locus ID: 54058

UniProt ID: [P58505](#)

Cytogenetics: 21q22.3

MW: 34.8 kDa

Product images:



Circular map for RC224311