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Product datasheet for RC226177

TTC13 (NM_001122835) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC13 (NM_001122835) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TTC13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC226177 representing NM_001122835
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACCTGCCGGCTGCTGCTGCTGCTGCTTCTGGGGCGGCGCTGTGGCCGCCGCGGGCGCCGCCC
GGCGTGTCCTGCTGCTGCTGCTGCTGGGGGTCCTGTCCGCCGGGCTGCGGCCAGGCGCCCTGGCCACCGA
GCACTACTCGCCGCTCTCCCTGCTCAAGCAGGAGCTGCAGCACCGGCAGCAGCAGGAGGCCCCGGCGGGC
GGCGGCGGCTGCAGCCCGCAGTCCGGGGACTGGGGGGACCAGTACTCTGCCGAGTGCGGCGAGTCATCCT
TTTTGAACTTCCATGACTCAGACTGCGAACCCAAGGGATCATCACCCTGTGACTCCTTGCTTTCCCTCAA
CACTGAGAAGATTCTGAGCCAGGCCAAGTCTATTGCAGAACAGAAGAGATTCCCGTTTGCCACTGATAAT
GACAGCACAAATGAAGAGTTAGCTATTGCTTATGTCTTGATTGGCAGTGGTCTGTATGATGAAGCAATAC
GGCATTTTTCAACAATGCTTCAGATTCTGTCCCCTCTGGGACGAATTAATGAAGCAGTGAATGACCTCAC
TAAAGCTATCCAACTGCAGCCCTCAGCACGGCTGTACAGACATCGGGGAACCCTGTACTTCATATCAGAG
GACTATGCAACAGCCCATGAAGACTTTCAGCAGTCCTTAGAACTGAACAAAAACCAGCCTATAGCTATGC
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GAAGCAGAAAGTTGACTTTATTGATGCATATAAAAGTCTAGGGCAGGCATATAGAGAACTGGGCAATTTT
GAAGCAGCCACTGAGAGCTTTCAAAAGGCACTGTTGCTCAACCAAAATCATGTGCAAACCCTCCAGCTCC
GGGGAATGATGCTCTACCACCACGGCAGCTTACAGGAAGCCCTTAAGAACTTTAAGCGGTGTCTGCAGCT
AGAGCCATATAATGAAGTGTGCCAGTATATGAAAGGGCTCAGCCATGTTGCCATGGGACAGTTTTATGAA
GGGATAAAAGCACAAACAAAAGTTATGCTGAATGATCCTCTCCCAGGCCAGAAGGCTAGCCCTGAGTATC
TTAAAGTAAAGTATCTCCGAGAGTATTCTCGATATCTTCATGCACACCTTGATACCCCCCTTACGGAATA
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GACTACGAAGAGCAGCCAGGGTTGCAACCCCACATAAAAGATGTGTTACATCAGAATTTTGAGAGTTATA
AGCCTGAAGTACAGGAGCTGATTTGTGTGGCTGATCGTTTGGGATCCCTGATGCAATATGAAACACCTGG
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CGTACATGGACCAACTCGAAAGTTCGAATGAATGGGAAGACACGGTTGATGCAGTGGAGAGACATGTTTG
ACATTGCAGTTAAATGGAGAAGGATTGCTGACCCAGACCAGCCCGTGCTGTGGTTAGATCAAATGCCAGC
ACGAAGTCTTAGCAGAGGTTTTAACAACCACATTAATTTAATCAGGGGTCAGGTGATCAACATGAGATAC
CTAGAATATTTTGAGAAAATACTTCATTTTATTAAAGACAGAATTCTTGTTTATCATGGAGCTAATAATC
CTAAAGGATTGCTGGAAGTTCGGGAAGCCCTGGAAAAGGTACACAAAGTAGAAGACCTTCTTCCGATTAT
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CTCAAACCACGGAAGAAAGGACACAATTATATCATGCTGAAATAGATGCACTTTATAAAGATTTGACAGC
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TTAGTTTATTACTTTTATAATTTAATGCCACTCTCTCGAGGATCCAGTGTAATTGCTTACTCGGTCATCG
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AGCTATGACAGCCCCTGGTTCAGAGGCCTTTAGCAAAGTCGCCAAAAGCTGGATGAACTTGAAAAGTATT
TCACCTTCTTATAAGACTCTTCCATCAGTATCAGAAACGTTTCCAACGTTAAGATCGATGATTGAGGTGC
TAAACACAGACTCTTCTCCACGTTGTCTTAAGAAACTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

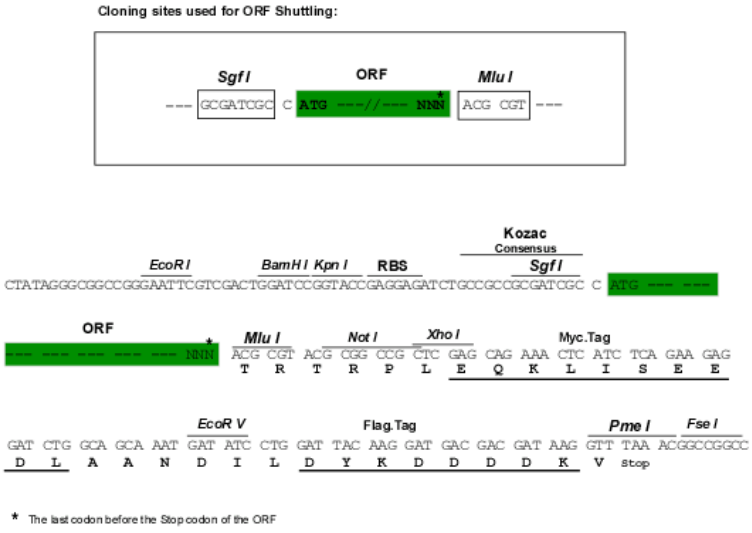
>RC226177 representing NM_001122835
Red=Cloning site Green=Tags(s)

MAPAGCCCCCCFWGGAVAAAGAARRVLLLLLLGVLSAGLRPGALATEHYSPLSLLKQELQHRQQQEAPAG
GGGCSPQSGDWGDQYSAECGESSFLNFHDSDCEPKGSSPCDSLLSLNTEKILSQAKSIAEQKRFPFATDN
DSTNEELAIAYVLIGSGLYDEAIRHFSTMLQILSPLGRINEAVNDLTKAIQLQPSARLYRHRGTLYFISE
DYATAHEDFQQSLELNKNQPIAMLYKGLTFFHRGLLKEAIESFKEALKQKVDFIDAYKSLGQAYRELGNF
EAATESFQKALLLNQNHVQTLQLRGMMLYHHGSLQEALKNFKRCLQLEPYNEVCQYMKGLSHVAMGQFYE
GIKAQTKVMLNDPLPGQKASPEYLKVKYLREYSRYLHAHLDTPLTEYNIDVDLPGSFKDHWAKNLPFLIE
DYEEQPGLQPHIKDVLHQNFESYKPEVQELICVADRLGSLMQYETPGFLPNKRIHRAMGLAALEVMQAVQ
RTWTNSKVRMNGKTRLMQWRDMFDIAVKWRRIADPDQPVLWLDQMPARSLSRGFNNHINLIRGQVINMRY
LEYFEKILHFIKDRILVYHGANNPKGLLEVREALEKVHKVEDLLPIMKFNTKTKDGFTVNTKVPSLKDQG
KEYDGFTITITGDKVGNILFSVETQTTEERTQLYHAEIDALYKDLTAKGKVLILSSEFGEADAVCNLILS
LVYYFYNLMPLSRGSSVIAYSVIVGALMASGKEVAGKIPKGKLVDFEAMTAPGSEAFSKVAKSWMNLKSI
SPSYKTLPSVSETFPTLRSMIEVLNTDSSPRCLKKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001122835

ORF Size: 2418 bp

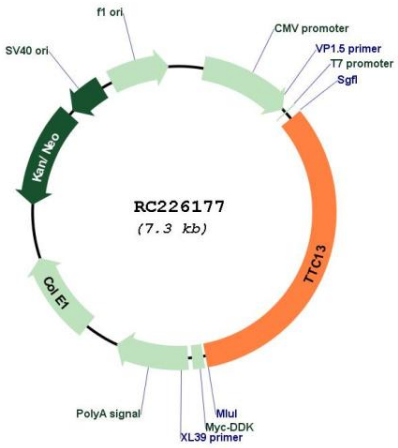
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001122835.3
RefSeq Size:	3127 bp
RefSeq ORF:	2421 bp
Locus ID:	79573
UniProt ID:	Q8NBP0
Cytogenetics:	1q42.2
Protein Families:	Transmembrane
MW:	90.7 kDa

Product images:



Circular map for RC226177