

Product datasheet for **MR209140**

Ttc13 (BC079851) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc13 (BC079851) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc13
Synonyms:	BC017545
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209140 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGCTCCAGGAGGAGCCTGATCTGGTTAGTGAATTTATGGCCGAGGGATAGCCTATGAAAGAAGGGAC
 TACATGAAGCCATCGAGGCCTTCAAAGAAGCTCTGAAACAGAAAGTTGACTTTATCGATGCATATAAAAG
 TCTGGGACAGGCCTACAGAGAACTGGGCAACTTTGACGCAGCCACCGAGAGCTTCCAGAAGGCCCTGCTG
 CTCAACCAGAACCACGTGCAGACCCTGCAGCTGCGGGGAATGATGCTCTACCACCACGGAAGCCTGCAGG
 AGGCCCTGAAGAAGCTTCAAGCGCTGCCTGCAACTGGAACCGTACAACGAAGTGCCAGTACATGAAGGG
 GCTGAGCCATGTGGCATGGGGCAGTTTACGAAGGGATTAAAGCACAAACAAAGTTATGCTGAATGAC
 CCTCTCCAGGCCAGAAGGCCAGCCAGAGTACCTGAGGGTCAAGTACCTACGAGAGTATTCTCGATATC
 TGCACGCACACCTCGATACCCCTCTGACGGAATATAACATTGACTCGGATCTACCGGGCAGCTTCAAGGA
 CCACTGGGCCAAGAACCTGCCTTTCCTCATAGACGGCTATGAAGAGCAGCCGGCCTGCAGCCTCACATT
 AGAGATGTGTTACATCAGAATTTGAGGGCTACAAGCCTGAAAGTCCAGGAGCTGATCTGTGTAGCTGACC
 GCCTGGGCTCGTGATGCAGTATGAAACACCGGGTTCCTGCCCAACAAGAGGATACACAGAGCCATGGG
 CCTGGCAGCACTGGAAGTCATGCAGGCCGTACATCGTACCTGGACCAACTCAAAGGTTCCGATGAATGGA
 AAAACAAGGCTGCTGCAGTGGAGGGACATGTTGACATTGCTGTGAAGTGGAGAAGGATCGCTGATCCGG
 ACCAGCCTGTCTGTGGCTGGATCAGATGCCAGCTCCAAGTCTCAGCAGAGGGTTCAATAACCACATCAA
 CTTAATCAGGGGTCAAGTGATCAATATGAGATATCTGGAATATTTGAGAAAATACTTCATTTTATTA
 GATAGAATTCTTGTATCACGGAGCAAATAATCCAAAGGGCTTATTGGAAGTCAGAGAAGCTCTGGA
 AGGTACACAAAGTGGAAGACCTCCTTCCAATTATGAAGCAGTTTAAATACAAAACAAAGGACGGGTTTAC
 CGTGAACACCAAAGTCCCCAGCCTCAAAGATCAAGGGAAGGAATATGACGGCTTACCATCACCATCACA
 GGAGACAAGTTCGCAATATCCTATTTCTGTGAAACTCAAACCACAGAAGAGAGGACACAGCTGTATC
 ACGCTGAAATAGATGCACTTTATAAAGACCTGACAGCGAAGGGCAAAGTACTGACCCTCTCGGCAGAATT
 CGGGGAGGCTGATGCTGTCTGCAACTTAATCTTATCCTTAGTGTATTACTTTTATAATTTAATGCCCTG
 TCTCGAGGATCTAGTGTCATTGCGTATTCAGTCATTGTGGGAGCGCTGATGGCCAGTGGCAAAGAAGTGG
 CTGGGAAGATCCCCAAAGGAAGTTAGTCGACTTTGAAGCCATGACAGCCCTGGCTCAGAGGCCTTCAG
 CAAAATAGCAAAAAGCTGGATGAACTTGAAGAGTATTTCCCTTCTACAAGACCCTGCCATCAGTATCA
 GAGACGTTCCCGACTCTGAGGTCCATGATCGAGGTGCTCAACACGGATTCCACCCACGGTGTCTAAAGA
 AACTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209140 protein sequence
 Red=Cloning site Green=Tags(s)

MLQEPEPLVSAIYGRGIAYGKKGLHEAIEAFKEALKQKVDFIDAYKSLGQAYRELGNFDAATESFQKALL
 LNQNHVQTLQLRGMMLYHHGSLQEALKNFKRCLQLEPYNEVCQYMKGLSHVAMGQFYEGIKAQTKVMLND
 PLPGQKASPEYLRVKYLREYSRYLHAHLDTPLTEYNIDSDLPGSFKDHWAKNLPFLIDGYEEQPLQPHI
 RDVLHQNFEGYKPEVQELICVADRLGSLMQYETPGFLPNKRIHRAMGLAALEVMQAVHRTWTNSKVRMNG
 KTRLLQWRDMFDIAVKWRRIDPDQPVWLQMPAPSLSRGFNNHINLIRGQVINMRYLEYFEKILHFILK
 DRILVYHGANNPKGLLEVREALEKVHKVEDLLPIMKQFNTKTKDGFTVNTKVPVSLKDQKEYDGFITIT
 GDKVGNILFSVETQTTEERTQLYHAEIDALYKDLTAKGKVLTLSEFGEADAVCNLILSLVYYFYNLMP
 SRGSSVIAYSVIVGALMASGKEVAGKIPKGLVDFEAMTAPGSEAFSKIASKSWMLNLSISPSYKTLPSVS
 ETFPTLRSMIEVLNLDSTPRCLKKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC079851

ORF Size: 1755 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: [BC079851](#), [AAH79851](#)

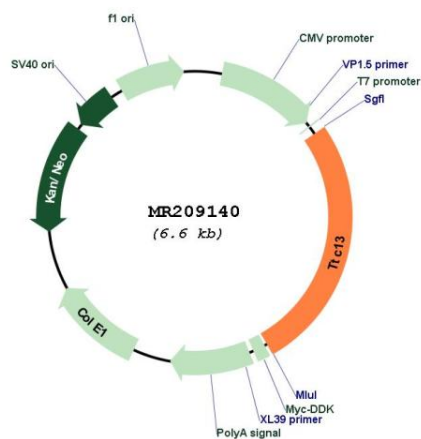
RefSeq Size: 2987 bp

RefSeq ORF: 1757 bp

Locus ID: 234875

Cytogenetics: 8 E2
MW: 66.6 kDa

Product images:



Circular map for MR209140