

Product datasheet for **MR224564**

Ttc24 (NM_172526) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ttc24
Synonyms:	A430025D1IRik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR224564 representing NM_172526
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGAGCAGTCGGCAGTATGGACTGAGTGATGTGCTGCGGGCTCTGGAGGAGAGCCGAAGCTTGCTG
ATGCTGACCGGAGCACCAGGAGCTGCTAGGGCCATTCTACAATGATCTAGGCATGGGTACTTCCA
ACTCCAACGTGTTCCCTCTGGCAGTAGAGGCCTTCTGCAGGCCCTACCCCTGTGTCGACAGCCATCAGAG
CAGGCTACAGTGCTTCAAATCTTGAATGACCCACAATGTCCTTGGCAACTATTGGGAAGCCAGGAGT
TTCACCAGAAGGCTGCAAGTCTGCATGGCTCTGTGGGCCAGCGGTGGGAGCAGGGTTCGACGCTTTAGCGG
CCTGGCATTCTCACTGAGCCAGCTGGGGACACAGGGCTGCCTGGGACAGCTATTTGCATGCCCTCCAG
GCTGCCAAGACACTGGAGACGTGAAGGGACAGTGGCAGGCGTGTGAGGGCCTTGGGGCAGCTGCAGCCA
GACTGGGACAACATGACCAGGCCTTGAAATACTATAAGGAAGCGCTGGCCCTGTGTCAGCACGAACCAAG
TTCTGTACGAGAGCGGCTTGTGGCCAAATTGGCAGATGCCATGCGGACCTTCGTGGCTCAGGAGAAGATA
GCCCAGGCTCGTTTCTTGCCCTCTGCTCCTGGAAGCTGCAGACTTCACGGAAGGCAAAGACCTCAGCCA
GGGTACAAAGTAGTGAGAAGATGCCAGGAGAGTCAGTGGGAAGGTGAAGCGTCAGAAGGCGGCCATGA
GAAGAAGGAGATGGAGGGTTGGTGAACACGGCCACTGTGTTAGGACCTCAGAGACAGAACCGAGCCACA
ACCCATCTTCCATCTGGAGGCCCAAGTCCAGTGGAGAGGAATATCCCTTCATCATAGCACCCAAGAAGC
TCCGAGTCAGTAGGTATCCACATGGGCCAAGGAAGCCCTCGGCAGGAACCTCCAGAGGACACGCATCCA
GTCCGGCCTCTGCAGCATCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR224564 representing NM_172526

Red=Cloning site Green=Tags(s)

MLSSRQYGLSDVLRAL EESRKLADADRSTDQGLLGPFFYNDLGMGYFQLQLFPLAVEAFLQALPLCRQPSE
QATVLQNLGMTHNVLGNYWEAQEFHQKAASLHGSVGQRWEQGRSFSGLAFSLSQLGDHRAAWDSYLHALQ
AAQDTGDVKQWQACEGLGAAAARLQHDQALKYYKEALALCQHEPSSVRERLVAKLADAMRTFVAQEKI
AQARFLPSAPGKLQTSRKAKTSARVQSSAEDAQESQWEGEASEGGHEKKEMEGLVNTATVLGPQRQNRAT
THLPSGGPSPSGEEYPFIAPKKLRVSRSTWAKEALGRNFQRTRIQSGLCSIM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9064_c01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_172526

ORF Size:

1002 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_172526.3](#), [NP_766114.1](#)

RefSeq Size: 2251 bp

RefSeq ORF: 1005 bp

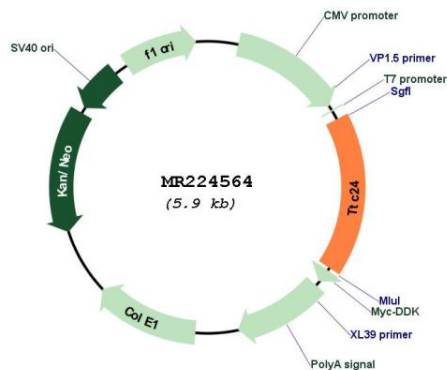
Locus ID: 214191

UniProt ID: [Q8BYG0](#)

Cytogenetics: 3 F1

MW: 36.7 kDa

Product images:



Circular map for MR224564