

Product datasheet for **MR206753**

Ttc25 (NM_028918) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc25 (NM_028918) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ttc25
Synonyms:	4933404O19Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206753 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGACGGTGATATCTTAAGAAGCACTTTTCCTCTTACATGGCAGAGGGGAGAGGCTTTATCTGT
 GCGGGGAGTTCACTAAGGCCATTCAAAGCTTTACCAACGCTCTTACCTTCAAAGTGGAGATAAGAAGCTG
 CCTGGTTGCCCGCTCCAATGCTACCTGAAGATGGGAGACTTAGAGAAGTCTTGAACGATGCTGAGGCC
 TCACCTCGGAACGACCCGACTTTCTGCAAGGGGATCTTACAGAAGGCTGAGACACTGTACACCATGGGAG
 ACTTTGAGTTTGCCTGGTGTTCATCATCGAGGCTACAACTGAGACCTGATCGGGAATCAAAGTAGG
 AATTCAGAAGGCCAGGAAGCCATCAACAACCTCGGTGGGAAGTCTTCTTCAATCAAGCTGGAGAACAAA
 GGGCACCTCTCCTTCTTAAGCAAGCAAGCTGAGAGTAAGAAAGCCCAACAGAAGCATCTGCCTATAAAGC
 AACTCTCGTACAGACCAAGCATGAAATCAAGCGGAAGGGCTCGCTCAAGAGCGAGAAGACCGTGGCGCA
 GCTGCTCGGGGAGCTGTACGTGGACAAGGAGTATCTGGAGAAGTCTTCTGGATGAAGATCTCATCAA
 GGACCATCAAGAGTGGCCTGACCGTGGAGGACCTCATTATGACTGGCATCAACTACCTGGACACCCGCA
 GCAACTTCTGGAGGCAGCAGAAGCCATCTATGCCAGGGAGCGAGACCGGAAGCTGATGCAAGAGAAGTG
 GCTGAGGGACCGAAACGCAGCCCTCGCAGACAGCCACTACATCCTCAAGAGCCTAGAGGACATTGAC
 ATGTTGTTGACCAAGTGGCAGTGTGATGGGAGCCTCCAAAAGCTGAGAAAGTCTTAAAGAGTTCTGG
 AATGGAACCAAGAGGAGTACCAACAAGGACGAGCTGGTCGGGAACCTGTACAGCTGCATAGGCAACGC
 CCAGATTGAGCTGGGGCAGATGGTGGCTGCCTTGCAAGCCACCGAAAGGACCTGGAGATCGCCAAGGAA
 CATGACCTCCAGATGCAAAATCGAGAGCCCTTGACAATATTGGCAGAGTTTTTGGCAGAGTTGGGAAAT
 TCCAGCAAGCCATTGACGTGGGAGGAGAAGATCCCTCTAGCCAAAACCACCTGGAGAAGACCTGGCTCT
 TCACAGAGATTGGCCGCTGTTACTTGGAGCTGGACCAGGCGTGGCAGGCCAGAGTTATGGGGAAAAGTC
 TCAGCAGTACGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206753 protein sequence
 Red=Cloning site Green=Tags(s)

MSDGDILRSTFPSYMAEGERLYLCGEFTKAIQSFTNALHLQSGDKNCLVARSKCYLKMGDLEKSLNDAEA
 SLRNDPTFCGILQKAETLYTMGDFEFALVFYHRGYKLRPDREFKVGIQKAQEAINNVSVPSSIKLENK
 GDL SFLSKQAESKKAQQKHLPIKQLSYSTKHEIKRKGSLKSEKTVRQLLGELYVDKEYLEKLLLEDLIK
 GTIKSGLTVEDLIMTGINYLDTRS NFWRQKPIYARERDRKLMQEKWLRDRKRSPSQT AHYILKSLEDID
 MLLTSGSADGSLQKA EKVLKVLKLEWNQEEV PNKDEL VGNLYSICGNAQIELGQMVAALQSHRKDLEIAKE
 HDLPDAKSRALDNI GRVF ARVGK FQQAIDVGGEDPSSQNHPGEDLALPRDWPLLLGAGPGVAGPELWGKY
 SAVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_028918

ORF Size: 1275 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_028918.2](#), [NP_083194.2](#)
RefSeq Size: 2818 bp

RefSeq ORF: 1875 bp

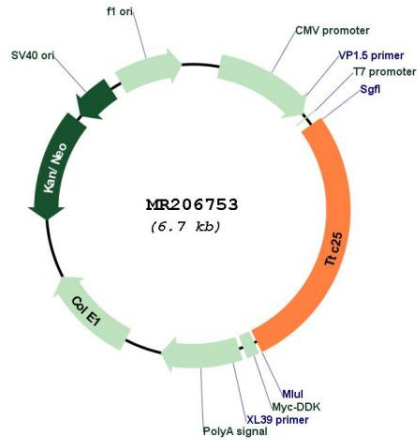
Locus ID: 74407

UniProt ID: [Q9D4B2](#)
Cytogenetics: 11 D

MW: 47.8 kDa

Gene Summary: Required for the docking of the outer dynein arm to cilia, hence plays an essential role in cilia motility.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206753