

Product datasheet for **MG206753**

Ttc25 (BC050805) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc25 (BC050805) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ttc25
Synonyms:	RP24-319D9.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206753 representing BC050805 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGTCGGACGGTGATATCTTAAGAAGCACTTTCCCTCTTACATGGCAGAGGGGAGAGGCTTTATCTGT
GCGGGGAGTTCACTAAGGCCATTCAAAGCTTTACCAACGCTCTTACCTTCAAAGTGAGATAAGAACTG
CCTGGTTGCCCGCTCAAATGCTACCTGAAGATGGGAGACTTAGAGAAGTCCTTGAACGATGCTGAGGCC
TCACTTCGGAACGACCCGACTTTCTGCAAGGGGATCTTACAGAAGGCTGAGACACTGTACACCATGGGAG
ACTTTGAGTTTGCCTGGTGTCTATCATCGAGGCTACAACTGAGACCTGATCGGGAATTCAAAGTAGG
AATTCAAGAAGGCCAGGAAGCCATCAACAACCTCGGTGGGAAGTCCTTCTCAATCAAGCTGGAGAACAAA
GGCGACCTCTCCTTCTTAAGCAAGCAAGCTGAGAGTAAGAAAGCCCAACAGAAGCATCTGCCTATAAAGC
AACTCTCGTACAGCACCAAGCATGAAATCAAGCGGAAGGGCTCGCTCAAGAGCGAGAAGACCGTGCGGCA
GCTGCTCGGGGAGCTGTACGTGGACAAGGAGTATCTGGAGAAGCTCCTTCTGGATGAAGATCTCATCAA
GGCACCATCAAGAGTGGCCTGACCGTGGAGGACCTCATTATGACTGGCATCAACTACCTGGACACCCGCA
GCAACTTCTGGAGGCAGCAGAAGCCATCTATGCCAGGGAGCGAGACCGGAAGCTGATGCAAGAGAAGTG
GCTGAGGGACCGAAACGCAGCCCTCGCAGACAGCCACTACATCCTCAAGAGCCTAGAGGACATTGAC
ATGTTGTTGACCAAGTGGCAGTGTGATGGGAGCCTCCAAAAGCTGAGAAAGTCCTTAAGAAGGTTCTGG
AATGGAACCAAGAGGAGGTACCCAACAAGGACGAGCTGGTCGGGAACCTGTACAGCTGCATAGGCAACGC
CCAGATTGAGCTGGGCGAGATGGTGGCTGCCTTCAGAGCCACCGAAAGGACCTGGAGATCGCCAAGGAA
CATGACCTTCAGATGCAAAATCGAGAGCCCTTGACAATATTGGCAGAGTTTTTGGCAGATTGGGAAAT
TCCAGCAAGCCATTGACGTGGGAGGAGAAGATCCCTCTAGCCAAAACACCCTGGAGAAGACCTGGCTCT
TCCACGAGATTGGCCGCTGTTACTTGGAGCTGGACCAGGCGTGGCAGGCCAGAGTTATGGGGAAAAGTC
TCAGCAGTACGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG206753 representing BC050805
 Red=Cloning site Green=Tags(s)

MSDGDILRSTFPSYMAEGERLYLCGEFTKAIQSFTNALHLQSGDKNCLVARSKCYLKMGDLEKSLNDAEA
 SLRNDPTFCGILQKAETLYTMGDFEFALVFYHRGYKLRPDRFKVGIQKAQEAINNSVGSPSSIKLENK
 GDL SFLSKQAESKKAQQKHLPIKQLSYSTKHEIKRKGSLKSEKTVRQLLGELYVDKEYLEKLLLEDLIK
 GTIKSGLTVEDLIMTGINYLDTRS NFWRQKPIYARERDRKLMQEKWLRDRKRSPSQT AHYILKSLEDID
 MLLTSGSADGSLQKA EKVLKKVLEWNQE EVPNKDEL VGNLYSCIGNAQIELGQMVAALQSHRKDLEIAKE
 HDLPDAKSRALDNIGRVFARVGKFQQAIDVGGEDPSSQNHPGEDLALPRDWPLLLGAGPGVAGPELWGKV
 SAVR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC050805

ORF Size: 1272 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: BC050805, AAH50805

RefSeq Size: 2270 bp

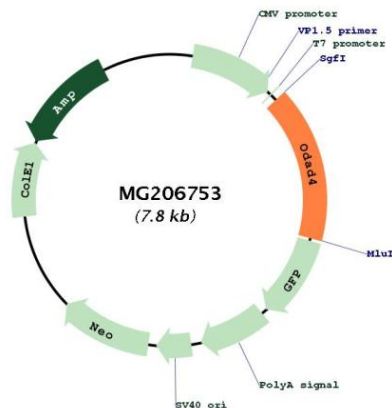
RefSeq ORF: 1274 bp

Locus ID: 74407

Cytogenetics: 11 D

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 MG206753