

Product datasheet for **RN200865**

Ttc26 (NM_001025045) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ttc26 (NM_001025045) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ttc26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200865 representing NM_001025045
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGATGCTTTCAAGGGCCAAACCGCTGTGGTGGGGAGTCACCACACACTGACAAAAGAAAGAAGAAAG
 GGAGGAAGATTCCAAACTAGAGGATCTACTTTCGCAAAGAGATTCACTGGCGCTATTACCCTATTGGA
 GTTCAAACGCCATGTTGGGGAGCAAGAAGAGGACACTAATTATGGATTGGCTACTGTGCTTTTCACCTG
 GGTGACTACAAGAGAGCTTTGGAGGAATACGAAACGCGGCAAGGAGGAGAATTGCAACCCGGAAGTGT
 GGGTAACTTGGCCTGCACCTACTTTTTCTTGAATGTATAACAAGCAGAAGCTGCTGGGTTTAAAGC
 TCCAAAAGCCGACTCCAAACCGCCTACTATTCCATCTGGCTCACAAGTTAATGATGAGAAGAAATTA
 ATGAACTTTCATCAGAATCTTCAGGATATCAAAGAAGACCAGCTTAGCTTGGCCTCAATCCACTACATGC
 GATCTCATTACCAAGAAGCTATTGATATATAAAGCGGATACTGCTGGATAACAGGGAATACCTGGCCCT
 CAATGTGTATGTGGCCCTCTGCTACTACAAATTGGATTACTATGATGTGTCTCAAGAAGCTCTGGCTGTT
 TACCTTCAGCAAATTCCTGATAGCACCATCGCCCTCAACCTTAAGGCCTGCAATCACTTTTCGCTTTATA
 ATGGCAAAGCAGCTGAGGCAGAGCTCAAAAGCTTGATGGACAATGCCTCTTCACCATTGAAATTTGCTAA
 AGAACTCATCAGACACAATCTGGTTGTTTTCCGAGGAGGAGAAGGGGCTTTCAGGTTTTACCTCCCTTA
 GTTGATGTCATTCTGAAGCTAGGCTAAACCTAGTGATTTACTACCTTCGTCAGATGATGTGCAGGAAG
 CCTATAATTTGATCAAGGACCTGGAACCTACTACACCTCAGGAGTATATTCTCAAGGGAGTTGTCAATGC
 AGCCCTTGGCCAGGAAATGGGTTCAAGGGATCATATGAAAATTGCCAACAGTTTTTCCAGTTGGTAGGA
 GGATCAGCTAGTGAATGTGATACAATACCAGGAAGGCAGTGCATGGCTTCTGTTCTTCTGCTTAAAC
 AATTTGATGATGCTTGTGTTTACCTCAACTCTTTAAGAGTTACTTCTACAACGACGACATCTTTAACTT
 TAATTATGCCCAAGCCAAAGCTGCAACAGGCAACACCAGTGAGGGTGAGGAGTTTTCTCTTGATCCAA
 AGTGAGAAATTGAAAAATGATTACATTTACCTTAGTTGGTTAGCTCGCTGCTATATTATGAACAAGAAAC
 CAAGACTAGCTTGGAACTTTATCTCAAGATGGAACCTCCGGCGAGTCCTTCAGCCTCTTACAGCTCAT
 TGCCAATGACTGTTACAAGATGGGCCAGTTCTACTATTAGCCAAAGGCTTTTGATGTCCTAGAGAGGCTG
 GATCCCAACCTGAATACTGGGAAGGCAAGAGGGGTGCCTGTGTGGGAATTTCCAGATGATTTAGCTG
 GGAGAGAACCCAAAGAGACCTCCGAGAAGTGTGCATTTGCTGAGAAGCACAGGAAACACCCAAGTGA
 GTATATCATCAGGATCATGAAGAAGTGGCCAAGGAGAATAGAGTGCCCAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001025045

Insert Size: 1665 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001025045.1, NP_001020216.1</u>
RefSeq Size:	3336 bp
RefSeq ORF:	1665 bp
Locus ID:	500086
UniProt ID:	<u>Q5U2N8</u>
Cytogenetics:	4q22
Gene Summary:	Component of the intraflagellar transport (IFT) complex B required for transport of proteins in the motile cilium. Required for transport of specific ciliary cargo proteins related to motility, while it is neither required for IFT complex B assembly or motion nor for cilium assembly. Required for efficient coupling between the accumulation of GLI2 and GLI3 at the ciliary tips and their dissociation from the negative regulator SUFU. Plays a key role in maintaining the integrity of the IFT complex B and the proper ciliary localization of the IFT complex B components. Not required for IFT complex A ciliary localization or function. Essential for maintaining proper microtubule organization within the ciliary axoneme.[UniProtKB/Swiss-Prot Function]