

Product datasheet for **RG209186**

TTC23L (NM_144725) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTC23L (NM_144725) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TTC23L
Synonyms:	MC25-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209186 representing NM_144725 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCAAGCCAGCCCCATCCGTATCCCAACTGTTAGCAATGACATCGACTGGGATTTCTGCTTCCGTATGT
CACAGCAAACCGAGATCCAGCTCACCAGCAAACAGATGAGTTGTATCCCACTGGTGGGTGTGGAGAGAG
TGAAGAGGAACTAAAGCTAAAGAGAAGGAGAAGGCCATAGACTGTATGTCTCATCCAAAGAGAAATTA
GCCCAATCCAGAAGAAAGTAGCTCAGCTGATTAAGGAAAAATGAATACTCAAGCAAACAAGGAGCTGA
TTCGATGTGTCATCCTTTCTCGATTATTTTGGGGACCATCACTGGAAATGTGCACGAGCTCTGGCCAA
CCTAGCTTATGGCTACTTGACACTGAGAGGCCTCCAGTTCAGGCCAAGAAACATGCTACATCAGCCAAG
AATACACTGTTGACCTGGAAGGCAAATACGACCTCAAATAAGGAGAAAAGAGGAAATCCTGGAAGCTCTGG
TCAAGCTGTACTACACTCTGGGCGTGGCCTGGCTCCTGCAGAACCCTGGCAGAGAAGCCTATTTCAACCT
GCAGAAGGCAGAGAGAAACATGAAGGAGCTGAAAGAATTATATAAAGGAGGTGTTTGTGAATTACAAGTC
TCTGAGAACGACCTAACACTTGCTTTGGCAGAGCCTCCTTGCCATCCACAGACTGAACCTAGCTCTGG
CATACTTTGAAAAGCAATTGGCGATGTTATTGCTGCCAAGGGTGATAGGACGTCAGATCTGATCAGCCT
GTACGAGGAAGCTGCTCAGATAGAGCAGCTGAGGAGGAACCACAACCAGGCCATCCAGTACTTGCAGCAG
GCTCATTCTGTCTGTGTTCTTTGTTCACTGAAGTCAGCCCCAAAACCTGCAGAAATGAGTGCCTTACTGG
CCAAAGCTTATGCCATGTCTGGAGAGGCCAGCACAGGGATGCTGTTGAGATATATTTATAAGAAGTAT
CAATGCATATCGAGCAACATTGGGCTCAGAGGATTTTGAACACTGAGCACCACTGAAGAATTTGCAAA
TGGCTTGTCAAAATGGAGAAAAACAGGACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209186 representing NM_144725
 Red=Cloning site Green=Tags(s)

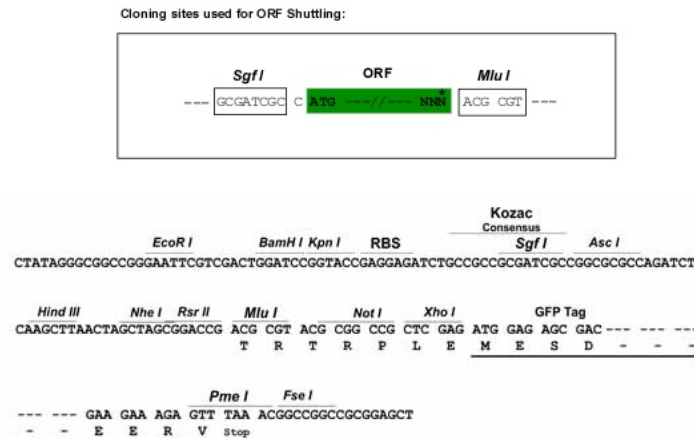
MQASPIRIPTVSNDIDWDFCFRMSQQTEIPAHQQTDELYPTGGCGESEEETKAKEKEKAIDCMSHPKEKL
 AQSQKKVAQLIKEKMNTQANKELIRCVILSRIFGDHHWKCARANLAYGYLTLRGLPVQAKKHATS
 NTLLTWKANTTSNKEKEEILEALVKLYYTLGVALLQNRGREAYFNLQKAERNMKELKELYKGGVCELQV
 SENDLTALGRASLAHRLNLALAYFEKAIGDVIAAKGDRTSDLISLYEEAAQIEQLRRNHQAIQYLQQ
 AHSVCVSLFTEVSPKTAEMSALLAKAYAMSGEAQHRDAVEIYFIRSINAYRATLGSEDFETLSTTEEFCK
 WLTVQNGEKQDK

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_144725

ORF Size: 1083 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_144725.3](#), [NP_653326.3](#)

RefSeq Size: 1369 bp

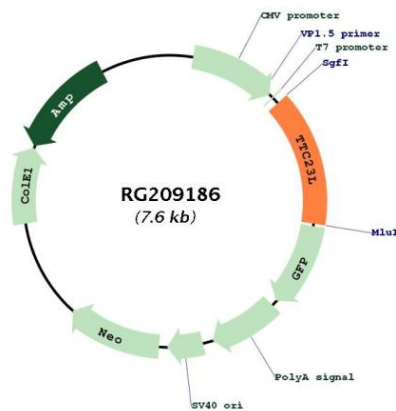
RefSeq ORF: 1086 bp

Locus ID: 153657

UniProt ID: [Q6PF05](#)

Cytogenetics: 5p13.2

Product images:



Circular map for RG209186