

Product datasheet for **RG226628**

TCP10L2 (NM_001145121) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TCP10L2
Synonyms:	bA517H2.3
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG226628 representing NM_001145121
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGAGGGTCAGCTCGAGGCCAGGGAGCCCAAGGAGGGCACCCACCCAGAGGACCCGTGCCCGGGAG
CTGGGGCTGCCATGGAGAAGACACCTGCAGCAGCCGAGGTCCCCAGGGAGGACAGCAATGCCGGGGAGAT
GCCGTCATTACAGCAGCAGATCACCAGCCTCCACCAAGAGCTCGGGAGACAGCAGTCGCTGTGGGCTGAT
ATTCACAGAAAACCTCCAGAGTCATATGGATGCCCTTGAGGAAGCAGAACCAGGAGCTCCGAGAAGAGCTGA
GAGGCCTGCAGCGGCAGCAGTGGGAAGCCGGGAAGAAACCCGACGCTCCCCACAGCGGGGCGAGAATC
ACACACTCTGGCATTGGAACCTGCTTTTGAAAAATTTACCTCTGTCTGATGATGAAGAGACAACGCC
AAATACGCTGGCCGAAGAGTCAGAGTGCAGTCTCTGGGACAAAGATGGTCATCTAACCCTTAGCTC
CTCCAAAGCCAATGAGTTTAAAGACAGAAAGAATTAACCTGGGAAAACACCACAGGAAGATAGAGA
GAAAAGTCCTCCCGGAGACGTCAAGACAGAAAGTCCAGCACCCACTGGAAGGCCGACTCCCGGTGCAGAA
AGACGGGAGGTGTCTGAAGACGGAAGATTATGCATCCATCTTCCGAAGTCTGCAAAAACCTCCGGTGGCA
GAAAATCACCAGTGCAGGCTTCCAGGCCGCCACGCTGCAGGAGCAGACGGCAGCAGCCGGAGTTGCTGA
CAGAAGCTCATCAGTCTTAGGGAGTTCTGAAGGCGGATTTCTAGCCGCTTCAAGCTGAAGAGTTCCGC
AGTTCTTCCCGAGACAGTGCAGAGCGGCAGAATCTTCTGTAAACCCACCATCTTCCCTGGAAATAGCAC
AGGCCATGGACACTAAGATGAAAAAGGAGGAAGTACAGGAAGAAAAACGACATCCAAATGGCAAGGCAGA
TGACTGCCGGCGGTCCGGTTTCCCGAGTGAATTTCCAGGAGCTCTGCATGCCGCTCCCTCCAGACAGGAC
ATGGGCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG226628 representing NM_001145121

Red=Cloning site Green=Tags(s)

MLEGQLEAREPKEGTHPEDPCPGAGAAMEKTPAAAEPREDSNAGEMPSLQQQITSLHQELGRQSLWAD
IHRKLQSHMDALRKQRELREELRGLQRQWEAGKKPAASPHAGRESHTLALPAFGKISPLSADEETTP
KYAGRKSQSATLLQWRSSNHLAPPKMSLKTERINSGKTPPQEDREKSPPGRRQDRSPAPTGRPTPGAE
RREVSDEGKIMHPSSRSLQNSGGRKSPVQASQAATLQEQTAAAGVADRSSSVLGSSEGGFLSRVQAEFA
SSSPDSAERQNLVPNPPSSLEIAQAMDTKMKKEEVQEEKRHPNGKADDCRRSGFPSEFPALHAAPSRQD
MGP

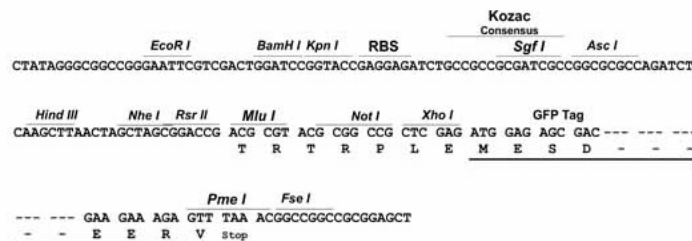
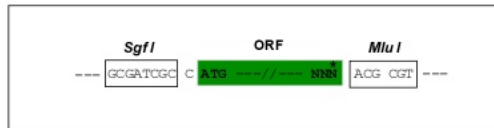
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_001145121

ORF Size:

1059 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_001145121.2

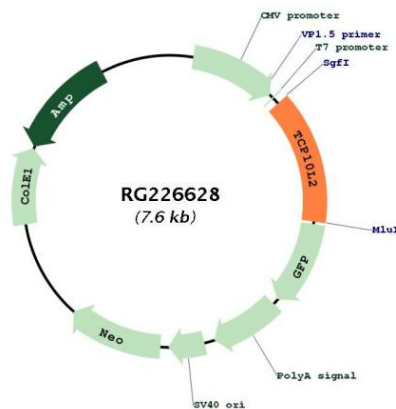
RefSeq Size: 2185 bp

RefSeq ORF: 1062 bp

Locus ID: 401285

Cytogenetics: 6q27

Product images:



Circular map for RG226628