

Product datasheet for **RG207641**

TCP10L (NM_144659) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCP10L (NM_144659) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TCP10L
Synonyms:	C21orf77; PRED77; TCP10A-1; TCP10A-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207641 representing NM_144659 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGGCAGGTCAACTCGAGGCCAGGGACCCCAAGGAGGGCACCCACCCAGAGGACCCGTGCCAGGAG
CTGGGGCTGTCATGGAGAAGACAGCTGTGGCAGCCGAGTTCTCACGGAGGACTGCAACTGTTGGGAGAT
GCCACCATTACAGCAGCAGATCATCAGACTCCACCAAGAGCTTGGGAGACAGAAGTCTCTGTGGGCTGAT
GTTTCATGGAAAACCTCCGGAGTCATATAGATGCTTTGAGGGAGCAGAACATGGAGCTCCGAGAAAAGCTGA
GAGCTCTGCAGCTGCAGCGGTGAAAGCCAGGAAGAAATCTGCAGCGTCCCACACGCGGGGCAAGATC
GCACACTCTGGCATTGGAACCTGCTTTTGGAAAATTTACCTCTGTGAGCTGATGAAGAGACAATACCC
AAATACGCTGGCCACAAGAATCAGAGTGCCACTCTCTGGGACAAAGATCGTCATCTAACAATTCAGCTC
CTCCAAAGCCAATGAGTTTAAAGATAGAAAAGATTAGCTCGTGGAAAACACCACCACAGGAAAATAGAGA
TAAAAATCTTTCCAGGAGACGTCAAGACAGAAGAGCAACCTACTGGAAGGCCAACTCCCTGTGCAGAG
AGACGGGGGGGTGTC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207641 representing NM_144659
Red=Cloning site Green=Tags(s)

MLAGQLEARDPKEGTHPEDPCPGAGAVMEKTAVAAEVLTEDCNTGEMPPPLQQQIIRLHQELGRQKSLWAD
 VHGLRSHIDALREQNMEKREKLRALQLQRWKARKKSAASPHAGQESHTLALPEAFGKISPLSADEETIP
 KYAGHKNQSATLLGQRSSSNNSAPPKPMSLKIERISSWKTPPQENRDKNLSRRRQDRRATPTGRPTPCAE
 RRGGV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144659

ORF Size: 645 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_144659.3](#), [NP_653260.1](#)

RefSeq Size: 957 bp

RefSeq ORF: 648 bp

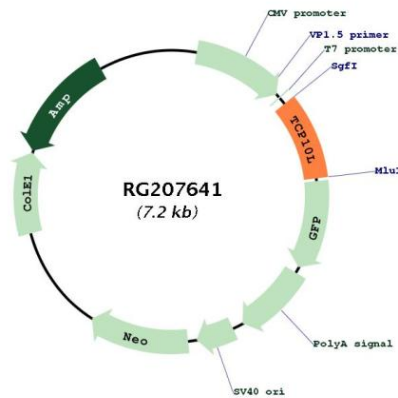
Locus ID: 140290

UniProt ID: [Q8TDR4](#)

Cytogenetics: 21q22.11

Gene Summary: May be involved in transcriptional regulation. Has in vitro transcription inhibition activity. Acts as a tumor suppressor in hepatocellular carcinoma (HCC) cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207641