

## Product datasheet for **RG238023**

### TCP11X2 (NM\_001277423) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCP11X2 (NM_001277423) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TCP11X2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG238023 representing NM_001277423. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTACAATGCTTTTTGGAACCATCTGAAAGAACAGCTATTGAGTACTCCTCCTGACTTCACTTGTGCC
CTTGAACCTCTAAAAGATGTTAAGGAGAACCGCCTAAGAAATGAGATAGAAGAAGCTCTGGACACAGAT
CTCCTCAAGCAGGAAGCAGAACATGGGGCCCTGGATGTCCTCATCTTTCTAACTACATTCTCAATTTG
ATGGCTCTGCTATGTGCACCGGTTTCGAGATGAAGCGATACAGAACTAGAGACCATAAGAGATCCAGTG
CAGTTACTGAGGGGCATCCTCCGTGTTCTGGGCCTAATGAAAATGGACATGGTGAACATAACCATCCAG
AGCTTTTCGACCTACCTGCAGGAACATCCATCCAGTATGAACAAGCTAAATTCAGGAACCTCTTGAT
AAACAGCCCAGTCTCCTCGATTATACCACAAAATGGCTAACCAAAGCAGCCACAGACATCACTACACTA
TGTCCGAGTTCTCCTGACTCACCTAGCTCCTCCTGCAGCATGGCGTGTTCACTTCCAAGCGGGCAGGT
AACAAATTCAGAGCCCCCAGTCCAACAATGGTGTATACCAAGGCTACCTGAACCTCCTCCTCTGGGAT
CTTGAAAACGTAGAATCCAGAGACTCTGCTGATGGACAGAATCCGGCTCCAGGAACCTGGCATTCCAG
TTGCACCAGTTAACTGTCCTGGCCTCAGTCTTGCTAGTGGCCAGAAGCTTCTCTGGTGAAGTTTTATTC
AGATCACCTGAATTTGTGGATAGACTGAAATGCACCACCAAGGCCCTAACTGAGGAATTTATCTCCAGG
CCTGAAGAGACTATGCTGAGTGTGAGTGAACAGGTGTCTCAGGAAGTCCATCAAGGCCTAAGGACATG
GGCCTCACTACTCTGAGCAGTAAAACACAGCATCTTCTTAGGCCAACTCCAGAACATCACCAAGAAA
GAGAACTGCATTGCTAGCATTGTTGATCAGTGGATCCGTTTTTTTCTCAATGCTGTTTGCCTCATGGC
ATGCAGGAGTCTCTGCTACACTTTCCTGGAGGCCTCATTCTCATTGAAAAGGAGTTGGCAGAACTGGGC
TGGAAAGTTTCTCAATCTGATGCATCATAATCAGCAGGTATTTGGCCATACTATGCTGAGATCCTAAAA
CACATCATCCATCCAGCTCAAGCACAAGAAACAGATGTGGAGCCTAAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG238023  
 Blue=ORF Red=Cloning site Green=Tag(s)

MYNAFWNHLKEQLLSTPPDFTCALELLKDVKENRLRNEIEEALDTLKQEAHEGALDVPHLSNYILNL  
 MALLCAPVRDEAIQKLETIRDPVQLLRGILRVLGLMKMDMVNYTIQSRPYLQEHSIQYEQAKFQELLD  
 KQPSLLDYTTKWLTKAATDITLCPSSPDSPSSSCSMACSLPSGAGNNSEPPSPTMVLVYQGYLNLLLWD  
 LENVEFPETLLMDRIRLQELAFQLHLQTLVSLVLLVARFSGEVLFRSPEFVDRLKCTTKALTEEFISR  
 PEETMLSVSEQVSQEVHQGLKDMGLTTLSSENTASLLGQLQNIKKENCIRSIVDQWIRFFLKCCLLHG  
 MQESLLHFPGGILIEKELAEWGKFLNLMHNNQVFGPYAYEILKHIHQAQAQETDVEPN  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001277423

**ORF Size:** 1221 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.

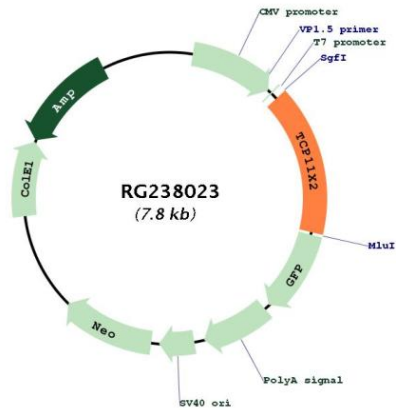
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**RefSeq:** [NM\\_001277423.1](#), [NP\\_001264352.1](#)

**RefSeq Size:** 1747 bp

RefSeq ORF: 1224 bp  
 Locus ID: 100996648  
 UniProt ID: [Q5H9J9](#)  
 Cytogenetics: Xq22.1  
 MW: 46.8 kDa

**Product images:**



Circular map for RG238023