

Product datasheet for **RG208073**

TBC1D14 (NM_020773) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D14 (NM_020773) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBC1D14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG208073 representing NM_020773
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTATTCTGGATGGTCGACCAGGAAACCCCTTCAGAACCTGCAACACGTCAATCTCAAGGCGCCCC
 GACTCCTCTCCGCGCCTGAGTACGGGCCAAGCTGAAACTCAGGGCTTTAGAAGACCGGCACAGCCTCCA
 GTCGCTGGACTCGGGATTCTACCTGGAGATCGGGAACCCGGAGCCTGTACCCTGCAGCGCGGTCCAC
 GTGAGGAGGAAGCAGTCCGACTCCGACCTCATCCCGAGCGGGCCTTCAGAGCGCCTGCGCGCTGCCAT
 CCTGTGCGCCACCAGCTCCTAGCAGCACCAGCGGGAACAGAGCGTGCGCAAATCCTCCACGTTTCCAG
 GACAGGCTATGACTCGGTAAGCTCTATAGCCGACCTCAAAGCCCTGACCCGAGCGATGATGTCTCC
 GTCTGCAGCGTCCAGTCTTGGGACAGAGCTGTCCACCACGCTGTCCGTGAGCAATGAGGACATCTTGG
 ACCTTGTGGTCAGGAGCAGTCCAGTCCATTGTGACCCTGGAGAATGACGATGACCCACAGTTTACCAA
 CGTCACCTTGAGCTCTATCAAGGAAACCCGTGGCTTACACCAGCAGGACTGTGTTTCAAGCTGAGGAG
 GGGAGTAAATTGAAAATATTGGGGCCATTTAGTAACTTCTTTGCAAGGAACTTGCTTGTAGAAAACAAA
 GTGCAAGGCTTGACAAACACAATGACTTGGGATGGAAGTTATTTGGGAAAGCGCCACTCCGAGAGATGC
 CAGAAGGATTCAAAGAGAATACAGAAGGAATATGAAGACAAGGCTGGAAGACCTAGCAAGCCACCTCT
 CCAAAGCAGAATGTGAGGAAGAATCTTGACTTTGAACCACTTTCCACCACCGCACTCATCTCGAGGACA
 GACCAGCAAATCTCCAGCAAACACAGCTGAAGAAGCTCAGAAGCACAGACAGCAGTATGAAGAAATGGT
 GGTTACAGCCAAAAGCGAGAGCTGAAAGAAGCCAGCGAAGGAAGAAGCAGCTGGAAGAAAGATGCAGA
 GTCGAGGAAAGCATTGGAACGCTGTGCTCACCTGGAATAATGAGATCTTACCTAACTGGGAAACAATGT
 GGTGCTCTAGAAAAGTTCGAGATTTATGGTGGCAGGGAATCCCTCCAAGTGTGAGAGGCAAAGTCTGGAG
 CTTAGCCATTGGCAACGAGTTAAATATCACCCACGAGCTCTTTGACATCTGTCTTGCCCGAGCCAAGGAG
 AGGTGGCGGTCCCTTAGCACAGGAGGCTCTGAAGTGGAGAACGAAGATGCTGGTTTTTCAGCAGCAGACA
 GAGAAGCCAGTCTGGAGCTTATTAAGTGGACATTTCTAGAACATTTCTAATCTCTGCATTTTCCAGCA
 AGGTGGTCCATATCATGACATGTTGCACAGTATTTGGGCGTTATACTTGTACCGCCAGATGTGGGT
 TATGTCCAGGGCATGTCCTTCATAGCAGCAGTGTGATCTTGAACCTAGATACTGCAGATGCCTTTATTG
 CCTTTTCTAACCTTCTGAATAAACCTGTCAAATGGCGTTTTTTAGAGTGGACCATGGCCTTATGTTGAC
 TTATTTTGTGCTGATTTGAAGTATCTTTGAAGAAAATTTGCCGAAATTTTGGCATTTCAGAAGAAC
 AACCTAACTCCAGATATCTACCTAATTGATTGGATCTTTACCTTATATAGTAAATCTCTGCCCTCGACC
 TGGCCTGTGATCTGGGACGTGTTCTGTGCGGATGGGGAAGAGTTCCTGTTCCGCACGGCCTGGGCAT
 CCTGAAGCTGTTGAGGACATCCTGACCAAGATGGACTTCATTACATGGCCAGTTCCTGACCCGGCTG
 CCCGAGGACCTGCCCGCCGAGGAGCTGTTTGCCTCCATCGCCACGATCCAGATGCAGAGCCGAAACAAGA
 AGTGGGCTCAGGTAAGTACTGACTGCATTGCAGAAAGACAGCCGGGAAATGGAGAAGGGAAGTCCATCCCTCCG
 ACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208073 representing NM_020773
 Red=Cloning site Green=Tags(s)

MGILDGRPGNPLQNLQHVNLKAPRLLSAPEYGPGLKLRALREDRHSLSQVDSGIPTLEIGNPEPVPCSAVH
 VRRKQSDSDLIPERAFQSACALPSCAPPAPSSTEREQSVRKSSTFPRTGYDSVKLYSPTSKALTRSDDVS
 VCSVSSSLGTELSTLVSVNEDILDLVVTSSSSAIVTLENDDDPQFTNVTLSSIKETRGLHQDCVHEAEE
 GSKLKILGPF SNFFARNLLARKQSARLDKHNLDLWKLFGKAPLRENAQKDSKRIQKEYEDKAGRPSKPPS
 PKQNVVRKNLDFEPLSTTALILEDRPANLPAKPAEEAQKHRQQYEEMVVQAKKRELKEAQRKKQLEERC
 VEESIGNAVLTWNNEILPNWETMWC SRKVRDLWWQGI PPSVVRGKVWSLAIGNELNITHELFDICLARA
 KE RWRSLSTGGSEVENEDAGFSAADREASLELIKLDISRTFPNLCIFQGGPYHMLHSILGAYTCYRPDVG
 YVQGMFIAAVLILNLDTADAFIAF SNLLNKPCQMAFFRVDHGLMLTYAAFEVFFEENPKLFAHFKKN
 NLTPDIYLDWIFTLYSKSLPLDLACRIWDVFCRDGEEFLFRTALGILKLFEDILTKMDFIHMAQFLTRL
 PEDLPAEELFASIATIQMSRNKKWAQVLTALQKDSREMEKGGSPSLRH

TRTRPLE - GFP Tag - V

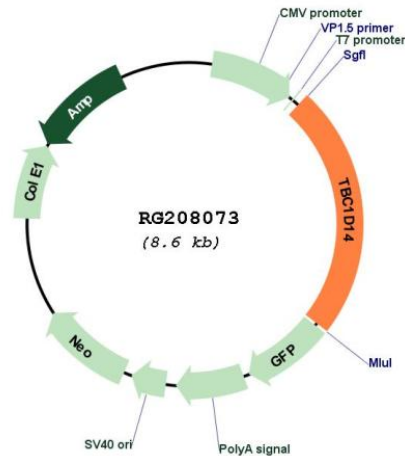
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_020773

ORF Size: 2079 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_020773.1](#), [NP_065824.1](#)

RefSeq Size: 5009 bp
RefSeq ORF: 2082 bp
Locus ID: 57533
UniProt ID: [Q9P2M4](#)
Cytogenetics: 4p16.1
Gene Summary: Negative regulator of starvation-induced autophagosome formation.[UniProtKB/Swiss-Prot Function]