

Product datasheet for **RG225650**

TBC1D14 (NM_001113363) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D14 (NM_001113363) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBC1D14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225650 representing NM_001113363 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGAATATGAAGACAAGGCTGGAAGACCTAGCAAGCCACCCTCTCCAAAGCAGAATGTGAGGAAGAATCTTGACTTTGAACCACTTTCCACCACCGCACTCATCCTCGAGGACAGACCAGCAAATCTCCAGCAAAACCAGCTGAAGAAGCTCAGAAGCACAGACAGCAGTATGAAGAAATGGTGGTTCAGGCCAAAAGCGAGAGCTGAAAGAAGCCAGCGAAGGAAGAAGCAGCTGGAAGAAAGATGCAGAGTCGAGGAAAGCATTGGAAACGCTGTGCTCACCTGGAATAATGAGATCTTACCTAACTGGGAAACAATGGTGTCTAGAAAAGTTCGAGATTTATGGTGGCAGGGAATCCCTCCAAGTGTGAGAGGCAAAGTCTGGAGCTTAGCCATTGGCAACGAGTTAAATATCACCCACGAGCTCTTTGACATCTGTCTTGCCCGAGCCAAGGAGAGGTGGCGGTCCCTTAGCACAGGAGGCTCTGAAGTGGAGAACGAAGATGCTGGTTTTTTCAGCAGCAGACAGAGAAGCCAGTCTGGAGCTTATTAACTGGACATTTCTAGAACATTTCTAATCTCTGCATTTTCCAGCAAGGTGGTCCATATCATGACATGTTGCACAGTATTTGGGCGCTTATACTTGTACCAGCCAGATGTGGGTTATGTCCAGGGCATGCTTTCATAGCAGCAGTGTGATCTTGAACCTAGATACTGCAGATGCCTTTATTGCCCTTTCTAACCTTCTGAATAAACCTGTCAAATGGCGTTTTTATAGAGTGGACCATGGCCTTATGTTGACTTATTTGCTGCATTTGAAGTATCTTTGAAGAAAATTTGCCGAAATTTTGGCATTTCGAAGAAGAACAACCTAACTCCAGATATCTACCTAATTTGATTGGATCTTTACCTTATATAGTAAATCTCTGCCCTCGACCTGGCCTGTGCTATCTGGGACGTGTTCTGTCCGATGGGGAAGAGTTCCCTGTTCCGCACGGCCCTGGGCATCCTGAAGCTGTTTCGAGGACATCCTGACCAAGATGGACTTCATTCACATGGCCAGTTCCTGACCCGGCTGCCCGAGGACCTGCCCGCCGAGGAGCTGTTTTGCCTCCATCGCCACGATCCAGATGCAGAGCCGAAACAAGAAGTGGGCTCAGGTAAGTACTGACTGCATTGCAGAAAGACAGCCGGGAAATGGAGAAGGGAAGTCCGTCCTCCGACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG225650 representing NM_001113363
 Red=Cloning site Green=Tags(s)

MEYEDKAGRPSKPPSPKQNVKLNDFEPLSTTALILEDSPANLPAKPAEEAQKHRQQYEEMVVQAKKREL
 KEAQRKKQLEERCVEESIGNAVLTWNNEILPNWETMWC SRKVRDLWWQGI PPSVRGKVWSLAIGNELN
 ITHLFDICLARAKERWRSLSTGGSEVENEDAGF SAADREASLELIKLDI SRTFPNLCIFQQGGPYHDM L
 HSILGAYTCYRPDVGYVQGM SFI AAVL I LNLD TADAF IAF SNLLNKPCQMAFFRVDHGLMLTYFAAFEV F
 FEENLPKLF AHFKNNLTPDIYL IDWIF TLYSKSLPLDLACRIWDFV CRDGE EFLFRTALGILKLFEDIL
 TKMDFIHMAQFLTRLPELPAEELFASIA TIQMQRNKKWAQVLTALQKDSREMEKGPSLRH

TRTRPLE - GFP Tag - V

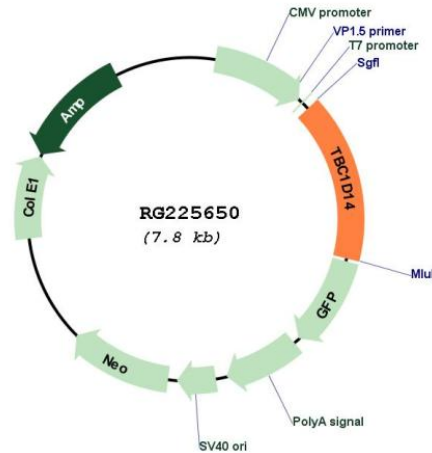
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001113363

ORF Size:	1239 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:	<ol style="list-style-type: none">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_001113363.2
RefSeq Size:	4153 bp
RefSeq ORF:	1242 bp
Locus ID:	57533
UniProt ID:	Q9P2M4
Cytogenetics:	4p16.1
Gene Summary:	Negative regulator of starvation-induced autophagosome formation.[UniProtKB/Swiss-Prot Function]