

Product datasheet for **MG202527**

Trp53inp2 (NM_178111) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trp53inp2 (NM_178111) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Trp53inp2
Synonyms:	1110029F20Rik; Tp53inp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202527 representing NM_178111 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTCCAGCGCTTCACCAGCCTTTCTTCAACACCCCTGCGCCTCCTGAAGACTCCAAGTGTCCGGGG
 CCTTTGTCTCTGAGGAGGATGAAGTGGATGGCTGGCTCATCATCGACCTACAGGACAGCTATACAGCTCC
 TCCGACCCCGGGGCTCGCCTGCTCCTGCAGGCCGCCCTCCACCGCGCCCTCCTTGATGGATGAGAGC
 TGGTTTGTACCCCTCCCGCTGTTTTACTGCAGAGGGGCCCGCCTTGGCCTGCCCGCTCCAGAGCA
 ATCCGCTGGAGGACCTCCTCATTGAGCATCCCAGCATGTCCGTTTATGTCACCGGCAGCACCATAGTGCT
 GGAGTCTGGGCCACCTTCCCTCACCTGAAGTGCCTTGCTGATCAGGACCTCAGCGATGGAGAGCTG
 GCGCCTGCCCTCCGGAACCCAGGGCCTTGACACGCGAGCTGCTCCTATGCCCGCTCGAGCTGTGCTGC
 TGGAGAAGGCTGGCCAGGTGCGGAGGCTGCAGAGAGCCCGACAGCGGGCTGAGCGCCACACATTGAGTGC
 TAAAGTGTGCAACGGCAGAATCGCGCCCGGAGAGCCGTTGCGCGCGGCCCAAGCACCAGGGCAGCTTT
 ATTTACCAGCCGTGCCAGCGCCAGTTCAACTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

Protein Sequence: >MG202527 representing NM_178111
Red=Cloning site Green=Tag(s)

MFQRTSLFFNTAPPEDSNCPGAFVSEEDVDGWLIIIDLQDSYTAPDPGASPAPAGRPPPPAPSLMDES
WFTVPACFTAEGPGLGPRLQSNPLEDLLIEHPSMSVYVTGSTIVLESPPSPHPEAALPDQDLSDGEL
APALREPRALHHAAMPARAVLLEKAGQVRRQLQARQRAERHTLSAKVLQRQNRARESRSPRPKHQGSF
IYQPCQRQFNY

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_178111

ORF Size: 663 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_178111.3](#), [NP_835212.1](#)

RefSeq Size: 3934 bp

RefSeq ORF: 666 bp

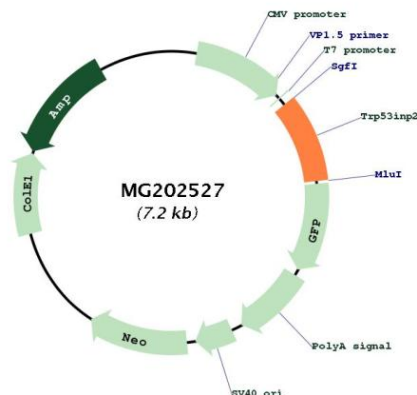
Locus ID: 68728

UniProt ID: [Q8CFU8](#)

Cytogenetics: 2 H1

Gene Summary: Dual regulator of transcription and autophagy. Positively regulates autophagy and is required for autophagosome formation and processing. May act as a scaffold protein that recruits MAP1LC3A, GABARAP and GABARAPL2 and brings them to the autophagosome membrane by interacting with VMP1 where, in cooperation with the BECN1-PI3-kinase class III complex, they trigger autophagosome development. Acts as a transcriptional activator of THRA. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202527