

Product datasheet for **MC207669**

Trp53inp2 (NM_178111) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trp53inp2 (NM_178111) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trp53inp2
Synonyms:	1110029F20Rik; Tp53inp2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207669 representing NM_178111 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTCCAGCGCTTACCAGCCTTTCTTCAACACCCCTGCGCCTCCTGAAGACTCCAAGTGTCCGGGG
CCTTTGTCTCTGAGGAGGATGAAGTGGATGGCTGGCTCATCATCGACCTACAGGACAGCTATACAGCTCC
TCCGACCCCGGGGCTCGCCTGCTCCTGCAGGCCGCCCTCCACCGCGCCCTCCTTGATGGATGAGAGC
TGGTTTGTACCCCTCCCGCTGTTTACTGCAGAGGGGCCCGCCTTGGCCTGCCCGCTCCAGAGCA
ATCCGCTGGAGGACCTCCTCATTGAGCATCCAGCATGTCCGTTTATGTCACCGGCAGCACCATAGTGCT
GGAGTCTGGGCCACCTTCCCTCACCTGAAGTGCCTTGCTGATCAGGACCTCAGCGATGGAGAGCTG
GCGCCTGCCCTCCGGAACCCAGGGCCTTGACACGCGAGCTGCTCCTATGCCCGCTCGAGCTGTGCTGC
TGGAGAAGGCTGGCCAGGTGCGGAGGCTGCAGAGAGCCCGACAGCGGGCTGAGCGCCACACATTGAGTGC
TAAAGTGTGCAACGGCAGAATCGCGCCCGGAGAGCCGTTTCGCGCCGGCCCAAGCACCAGGGCAGCTTT
ATTTACCAGCCGTGCCAGCGCCAGTTCAACTAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_178111
Insert Size:	666 bp



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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]