

Product datasheet for RG207858

TP53INP2 (NM_021202) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TP53INP2 (NM_021202) Human Tagged ORF Clone

Tag: TurboGFP Symbol: TP53INP2

Synonyms: C20orf110; dJ1181N3.1; DOR; PIG-U; PIGU; PINH

Mammalian Cell

Selection:

Neomycin

Vector: pCMV6-AC-GFP (PS100010)

E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide >RG207858 representing NM_021202

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

TACCAGCCGTGCCAGCGCCAGTTCAACTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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TP53INP2 (NM_021202) Human Tagged ORF Clone - RG207858

Protein Sequence: >RG207858 representing NM_021202

Red=Cloning site Green=Tags(s)

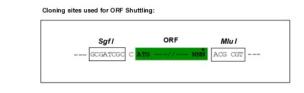
MFQRLSSLFFSTPSPPEDPDCPRAFVSEEDEVDGWLIIDLPDSYAAPPSPGAAPAPAGRPPPAPSLMDES WFVTPPACFTAEGPGLGPARLQSSPLEDLLIEHPSMSVYVTGSTIVLEPGSPSPLPDAALPDGDLSEGEL TPARREPRAARHAAPLPARAALLEKAGQVRRLQRARQRAERHALSAKAVQRQNRARESRPRRSKNQSSFI YQPCQRQFNY

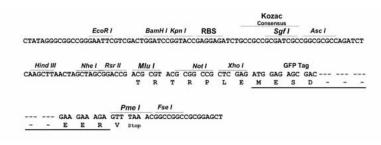
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





ACCN: NM_021202

ORF Size: 660 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: <u>NM 021202.3</u>

 RefSeq Size:
 4124 bp

 RefSeq ORF:
 663 bp

 Locus ID:
 58476

 UniProt ID:
 Q8IXH6

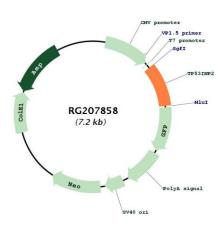
 Cytogenetics:
 20q11.22

Gene Summary: The protein encoded by this gene promotes autophagy and is essential for proper

autophagosome formation and processing. In addition, the encoded protein can enhance rDNA transcription by helping in the assembly of the POLR1/RNA polymerase I preinitiation complex. Finally, this protein serves as a transcriptional activator for some genes. [provided

by RefSeq, Jul 2016]

Product images:



Circular map for RG207858