

Product datasheet for RG232274

PIG3 (TP53I3) (NM_001206802) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PIG3 (TP53I3) (NM_001206802) Human Tagged ORF Clone

Tag: TurboGFP

Symbol: PIG3

Synonyms: PIG3

Mammalian Cell Neomycin

Selection:

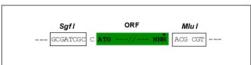
Vector: pCMV6-AC-GFP (PS100010)

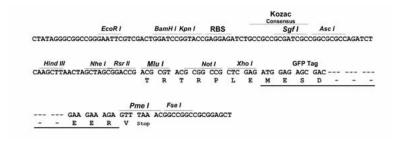
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: NM_001206802

ORF Size: 744 bp



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PIG3 (TP53I3) (NM_001206802) Human Tagged ORF Clone - RG232274

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 001206802.2, NP 001193731.1

2p23.3

 RefSeq Size:
 961 bp

 RefSeq ORF:
 747 bp

 Locus ID:
 9540

 UniProt ID:
 Q53FA7

Cytogenetics:

Protein Families: Druggable Genome

Protein Pathways: p53 signaling pathway

Gene Summary: The protein encoded by this gene is similar to oxidoreductases, which are enzymes involved

in cellular responses to oxidative stresses and irradiation. This gene is induced by the tumor suppressor p53 and is thought to be involved in p53-mediated cell death. It contains a p53

consensus binding site in its promoter region and a downstream pentanucleotide microsatellite sequence. P53 has been shown to transcriptionally activate this gene by

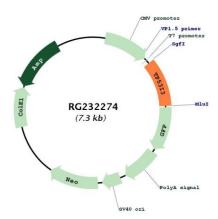
interacting with the downstream pentanucleotide microsatellite sequence. The microsatellite is polymorphic, with a varying number of pentanucleotide repeats directly correlated with the

extent of transcriptional activation by p53. It has been suggested that the microsatellite polymorphism may be associated with differential susceptibility to cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeg, May 2011]



Product images:



Circular map for RG232274