

Product datasheet for RC220864L4

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

p73 (TP73) (NM_005427) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: p73 (TP73) (NM_005427) Human Tagged Lenti ORF Clone

Tag:mGFPSymbol:p73Synonyms:P73

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC220864).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_005427

ORF Size: 1908 bp





p73 (TP73) (NM_005427) Human Tagged Lenti ORF Clone - RC220864L4

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 005427.1</u>, <u>NP 005418.1</u>

RefSeq Size: 2234 bp RefSeq ORF: 1911 bp

Locus ID: 7161

 UniProt ID:
 O15350

 Cytogenetics:
 1p36.32

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Neurotrophin signaling pathway, p53 signaling pathway

MW: 69.4 kDa

Gene Summary: This gene encodes a member of the p53 family of transcription factors involved in cellular

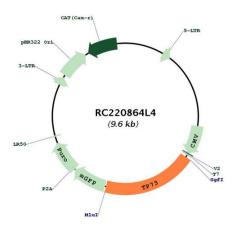
responses to stress and development. It maps to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain multiple tumor suppressor genes. The demonstration that this gene is monoallelically expressed

(likely from the maternal allele), supports the notion that it is a candidate gene for

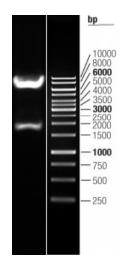
neuroblastoma. Many transcript variants resulting from alternative splicing and/or use of alternate promoters have been found for this gene, but the biological validity and the full-length nature of some variants have not been determined. [provided by RefSeq, Feb 2011]



Product images:



Circular map for RC220864L4



Double digestion of RC220864L4 using Sgfl and Mlul