

Product datasheet for **RG233993**

p73 (TP73) (NM_001204186) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: p73 (TP73) (NM_001204186) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: p73
Synonyms: P73
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233993 representing NM_001204186
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGTCCACCGCCACCTCCCCTGATGGGGCACCACGTTTGAGCACCTCTGGAGCTCTCTGGAAC
 CAGACAGCACCTACTTCGACCTTCCCCAGTCAAGCCGGGGGAATAATGAGGTGGTGGCGGAACGGATTC
 CAGCATGGACGTCTTCCACCTGGAGGGCATGACTACATCTGTTCATGGCCAGTTCAATCTGCTGAGCAGC
 ACCATGGACCAGATGAGCAGCCGCGCGGCTCGGCCAGCCCTACACCCAGAGCAGCCGCCAGCGTGC
 CCACCCACTCGCCCTACGCACAACCCAGCTCCACCTTCGACACCATGTGCGCCGGCGCCTGTCATCCCTC
 CAACACCGACTACCCCGACCCACCACTTTGAGGTCACTTTCCAGCAGTCCAGCAGGCCAAGTCAGCC
 ACCTGGACGTACTCCCGCTCTTGAAGAACTCTACTGCCAGATCGCCAAGACATGCCCATCCAGATCA
 AGGTGTCCACCCGCCACCCACAGGCACCGCCATCCGGGCCATGCCTGTTTACAAGAAAGCGGAGCAGT
 GACCGACGTGTAACGCTGCCCAACACGAGCTCGGGAGGGACTTCAACGAAGGACAGTCTGTCTCA
 GCCAGCCACCTCATCCGCGTGAAGGCAATAATCTCTCGCAGTATGTGGATGACCCTGTCAACCGGACGC
 AGAGCGTCGTGGTGCCTATGAGCCACCACAGGTGGGGACGGAATTCACCACCATCTGTACAACCTCAT
 GTGTAACAGCAGTGTGTAGGGGCATGAACCGCGGCCCATCTCATCATCACCCCTGGAGATGCGG
 GATGGGCAGGTGCTGGCCCGCGGTCTTTGAGGGCCGATCTGCGCCTGCTGGCCCGACCGAAAAAG
 CTGATGAGGACCACTACCGGAGCAGCAGGCCCTGAACGAGAGCTCCGCCAAGAACGGGGCCCGCCAGCAA
 GCGTGCCTTCAAGCAGAGCCCCCTGCCGTCCCGCCCTTGGTGCCTGTGAAGAAAGCGCGGCATGGA
 GACGAGGACAGTACTACCTTCAGTGCGAGGCCGGGAGAACTTTGAGATCCTGATGAAGCTGAAAGAGA
 GCCTGGAGCTGATGGAGTTGGTCCGCAGCCACTGGTGGACTCTATCGGCAGCAGCAGCTCTTACA
 GAGGCCGACCTGGGGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233993 representing NM_001204186
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MAQSTATSPDGGTTFEHLWSSLEPDSTYFDLPQSSRGNNNEVGGTDSMDVHFHLEGMTTSVMAQFNLLSS
 TMDQMSSRAASAPYTPPEHAASVPTHSPYAQPSSTFDTMSPAPVIPSN TDYPGPHHFVTFQSSSTAKSA
 TWTYSPLKLLKLYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAHVTDVVKRCPNHELGRDFNEGQSAP
 ASHLIRVEGNL SQYVDDPVTGRQSVVVPYEPQVGTFTTILYNFMCNSSCVGGMNRRLIIITLEMR
 DGQVLRGRSFEGRICACPRDRKADEHDHYREQQALNESSAKNGAASKRAFKQSPPAVPALGAGVKKRRHG
 DEDTYYLQVRGRENFEILMKLKESELELMELVPQPLVDSYRQQQLLQRPTWGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001204186

ORF Size: 1209 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: [NM_001204186.2](#)

RefSeq Size: 4772 bp

RefSeq ORF: 1212 bp

Locus ID: 7161

UniProt ID: [O15350](#)

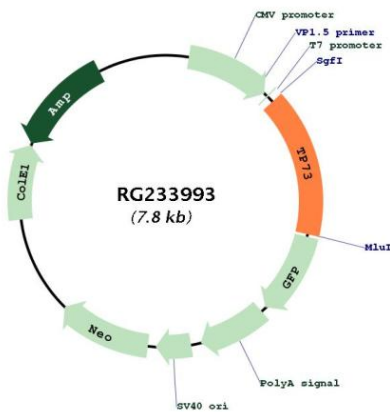
Cytogenetics: 1p36.32

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Neurotrophin signaling pathway, p53 signaling pathway

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 RG233993