Product datasheet for MC219984

Trp73 (NM_011642) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trp73 (NM_011642) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Trp73
Synonyms:	delta; deltaNp73; p7; p73; TAp; TAp73; Tp73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>NM_011642.3
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCGGCAGCGTTGGGGAGATGGCCCAGACCTCTTCTTCCTCCTCCTCCACCTTCGAGCACCTGTGGA
GTTCTCTAGAGCCAGACAGCACCTACTTTGACCTCCCCCAGCCCAGCCAAGGGACTAGCGAGGCATCAGG
CAGCGAGGAGTCCAACATGGATGTCTTCCACCTGCAAGGCATGGCCCAGTTCAATTTGCTCAGCAGTGCC
ATGGACCAGATGGGCAGCCGTGCGGCCCCGGCGAGCCCCTACACCCCGGAGCACGCCGCCAGCGCGCCCA
CCCACTCGCCCTACGCGCAGCCCAGCTCCACCTTCGACACCATGTCTCCGGCGCCTGTCATCCCTTCCAA
TACCGACTACCCCGGCCCCCACCACTTCGAGGTCACCTTCCAGCAGTCGAGCACTGCCAAGTCGGCCACC
TGGACATACTCCCCACTCTTGAAGAAGTTGTACTGTCAGATTGCTAAGACATGCCCCATCCAGATCAAAG
TGTCCACACCACCACCCCCGGGCACGGCCATCCGGGCCATGCCTGTCTACAAGAAGGCAGAGCATGTGAC
CGACATTGTTAAGCGCTGCCCCAACCACGAGCTTGGAAGGGACTTCAATGAAGGACAGTCTGCCCCGGCT
AGCCACCTCATCCGTGTAGAAGGCAACAACCTCGCCCAGTACGTGGATGACCCTGTCACCGGAAGGCAGA
GTGTGGTTGTGCCGTATGAACCCCCACAGGTGGGAACAGAATTTACCACCATCCTGTACAACTTCATGTG
TAACAGCAGCTGTGTGGGGGGCATGAATCGGAGGCCCATCCTTGTCATCATCACCCTGGAGACCCGGGAT
GGACAGGTCCTGGGCCGCCGGTCTTTCGAGGGTCGCATCTGTGCCTGTCCTGGCCGTGACCGCAAAGCTG
ATGAAGACCATTACCGGGAGCAACAGGCTCTGAATGAAAGTACCACCAAAAATGGAGCTGCCAGCAAACG
TGCATTCAAGCAGAGCCCCCCTGCCATCCCTGCCCTGGGTACCAACGTGAAGAAGAGACGCCACGGGGAC
GAGGACATGTTCTACATGCACGTGCGAGGCCGGGAGAACTTTGAGATCTTGATGAAAGTCAAGGAGAGCC
TAGAACTGATGGAGCTTGTGCCCCAGCCTTTGGTTGACTCCTATCGACAGCAGCAGCAGCAGCAGCTCCT
ACAGAGGCCGAGTCACCTGCAGCCTCCATCCTATGGGCCCGTGCTCTCCCCAATGAACAAGGTACACGGT
GGTGTCAACAAACTGCCCTCCGTCAACCAGCTGGTGGGCCAGCCTCCCCCGCACAGCTCAGCAGCTGGGC
CCAACCTGGGGCCCATGGGCTCCGGGATGCTCAACAGCCACGGCCACAGCATGCCGGCCAATGGTGAGAT
GAATGGAGGCCACAGCTCCCAGACCATGGTTTCGGGATCCCACTGCACCCCGCCACCCCCCTATCATGCA
GACCCCAGCCTCGTCAGTTTTTTGACAGGGTTGGGGTGTCCAAACTGCATCGAGTGCTTCACTTCCCAAG
GGTTGCAGAGCATCTACCACCTGCAGAACCTTACCATCGAGGACCTTGGGGCTCTGAAGGTCCCTGACCA
GTACCGTATGACCATCTGGAGGGGCCTACAGGACCTGAAGCAGAGCCATGACTGCGGCCAGCAACTGCTA
CGCTCCAGCAGCAACGCGGCCACCATCTCCATCGGCGGCTCTGGCGAGCTGCAGCGGCAGCGGGTCATGG
AAGCCGTGCATTTCCGTGTGCGCCACACCATCACGATCCCCAACCGTGGAGGCGCAGGTGCGGTGACAGG
TCCCGACGAGTGGGCGGACTTTGGCTTTGACCTGCCTGACTGCAAGTCCCGTAAGCAGCCCATCAAAGAG
GAGTTCACAGAGACAGAGAGCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1463_d04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_011642

Insert Size: 1917 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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
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_011642.3, NP_035772.2
RefSeq Size:	5046 bp
RefSeq ORF:	1896 bp
Locus ID:	22062
UniProt ID:	Q9JJP2
Cytogenetics:	4 83.79 cM

Gene Summary:

This gene encodes tumor protein p73, which is a member of the p53 family of transcription factors involved in cellular responses to stress and development. The family members include p53, p63, and p73 and have high sequence similarity to one another, which allows p63 and p73 to transactivate p53-responsive genes causing cell cycle arrest and apoptosis. The family members can interact with each other in many ways involving direct or indirect protein interactions, resulting in regulation of the same target gene promoters or regulation of each other's promoters. The p73 protein is expressed at very low levels in normal tissues and is differentially expressed in a number of tumors. The p73 gene expresses at least 35 mRNA variants due to the use of alternate promoters, alternate translation initiation sites, and multiple splice variations. Theoretically this can account for 29 different p73 isoforms; however, the biological validity and the full-length nature of most variants have not been determined. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes isoform a, also known as TAp73alpha. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.