

Product datasheet for **MR209197**

Trp73 (NM_001126330) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
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)



ORF Nucleotide Sequence: >MR209197 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTTTACGTGGTGACCCCATGAGACACCTCGCCACGGCCAGTTCAATTTGCTCAGCAGTGCCATGG
 ACCAGATGGGACGCGTGCAGCCCGGCGAGCCCTACACCCGAGACGCGCCAGCGCCACCCCA
 CTCGCCCTACGCGAGCCAGCTCCACCTTCGACACCATGTCTCCGGCGCTGTATCCCTTCCAATACC
 GACTACCCCGGCCCCACCACTTCGAGGTACCTTCAGCAGTCGAGCACTGCCAAGTCGGCCACCTGGA
 CATATCCCCACTCTTGAAGAAGTTGACTGTCTAGATTGCTAAGACATGCCCCATCCAGATCAAAGTGTC
 CACACCACCAACCCCGGCGACGGCCATCCGGCCATGCCTGTCTACAAGAAGGCAGAGCATGTGACCGAC
 ATTGTTAAGCGCTGCCCAACCAAGAGCTTGAAGGGACTTCAATGAAGGACAGTCTGCCCCGGCTAGCC
 ACCTCATCCGTGTAGAAGGCAACAACCTCGCCAGTACGTGGATGACCCTGTCAACGGAAGGCAGAGTGT
 GGTGTGCGGTATGAACCCCAAGGTGGGAACAGAATTTACCACCATCTGTACAATTCATGTGTAAC
 AGCAGCTGTGTGGGGGCGATGAATCGGAGGCCATCCTTGTATCATCACCTGGAGACCCGGGATGGAC
 AGGTCTGCGCCGCGGTCTTTCGAGGGTGCATCTGTGCCTGTCTGGCGTGACCGCAAAGCTGATGA
 AGACCATACCGGGAGCAACAGGCTCTGAATGAAAGTACCACAAAAATGGAGCTGCCAGCAAACGTGCA
 TTCAAGCAGAGCCCCCTGCCATCCCTGCCCTGGTACCAACGTGAAGAAGAGACGCCACGGGGACGAGG
 ACATGTTCTACATGCACGTGCGAGGCCGGGAGAACTTTGAGATCTTGATGAAAGTCAAGGAGAGCCTAGA
 ACTGATGGAGCTTGTGCCCCAGCCTTTGGTTGACTCCTATCGACAGCAGCAGCAGCAGCAGCTCCTACAG
 AGGCCGAGTCACCTGCAGCCTCCATCCTATGGGCGGTGCTCTCCCAATGAACAAGGTACACGGTGGTG
 TCAACAAATGCCCTCCGTCAACAGCTGGTGGCCAGCCTCCCCGCACAGCTCAGCAGCTGGGCCCAA
 CCTGGGGCCATGGGCTCCGGGATGCTCAACAGCCACGGCCACAGCATGCCGGCCAATGGTGAGATGAAT
 GGAGGCCACAGCTCCCAGACCATGGTTTCGGGATCCCAGTGCACCCCGCCACCCCCCTATATGCAGACC
 CCAGCCTCGTCAGTTTTTTGACAGGGTGGGGTGTCCAAATGCATCGAGTGCTTCACTTCCCAAGGGTT
 GCAGAGCATCTACCACCTGCAGAACCTTACCATCGAGGACCTTGGGGCTCTGAAGTCCCTGACCACTAC
 CGTATGACCATCTGGAGGGGCTACAGGACCTGAAGCAGAGCCATGACTGCGGCCAGCAACTGCTACGCT
 CCAGCAGCAACCGGCCACCATCTCCATCGGCGGCTCTGGCGAGCTGCAGCGGCAGCGGGTCATGGAAGC
 CGTGCAATTTCCGTGTGCGCCACACCATCACGATCCCCAACCGTGGAGGCGCAGGTGCGGTGACAGGTCCC
 GACGAGTGGGCGGACTTTGGCTTTGACCTGCCTGACTGCAAGTCCCGTAAGCAGCCCATCAAGAGGAGT
 TCACAGAGACAGAGGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

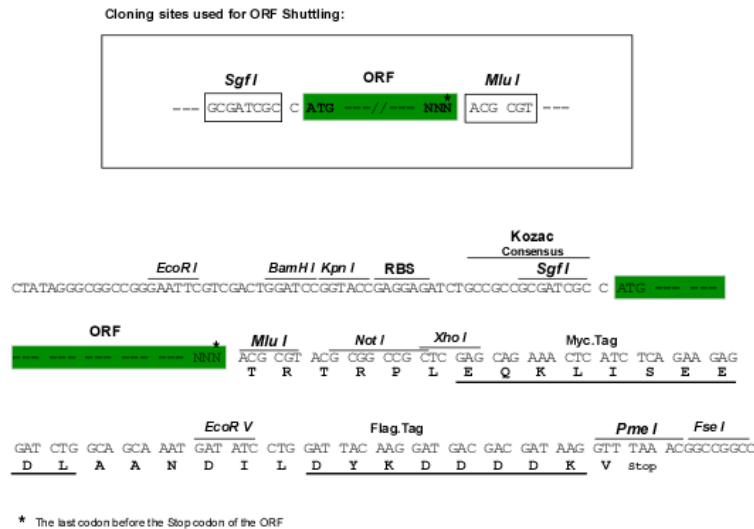
Protein Sequence: >MR209197 protein sequence
 Red=Cloning site Green=Tags(s)

MLYVGDPMRHLATAQFNLLSSAMDQMSRAAPASPYTPEHAASAPTHSPYAQPSSTFDTMSPAPVIPSNT
 DYPGPHHFEVTFQQSSTAKSATWTYSPLLLKLYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAHVTD
 IVKRCPNHELGRDFNEGQSAPASHLIRVEGNLAQYVDDPVTGRQSVVVPYEPQVGTFTTILYNFMCN
 SSCVGMNRRPILVIITLETDRGQVLGRRSFEGRICACPGDRKADEDHYREQQALNESTTKNGAASKRA
 FKQSPPAIPALGTNVKKRRHGDDEMFYMHVRGRENFEILMKVKESLELMELVPQPLVDSYRQQQQQLLQ
 RPSHLQPPSYGPVLSPMNKHVGGVNLPSVNQLVGQPPHSSAAGPNLPGMGSMLNSHGHSMANGEMN
 GGHSSQTMVSGSHCTPPPPYHADPSLVSFSLTGLGCPNIECFSTSQLQSIYHLQNLTIEDLGALKVPDQY
 RMTIWRGLQDLKQSHDCGQQLLRSSNAATISIGSGELQRQVRVMEAVHFRVRHTITIPNRGGAGAVTGP
 DEWADFGLPDCKSRKQPIKEEFTETESH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001126330

ORF Size: 1770 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.

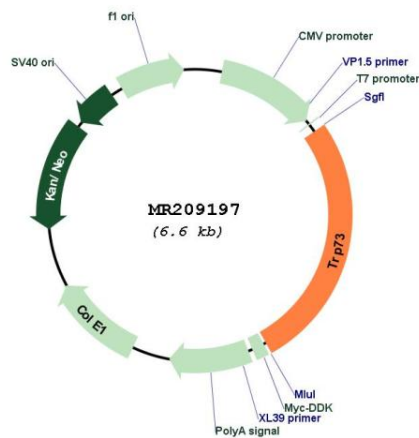
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001126330.1](#), [NP_001119802.1](#)

RefSeq Size:	4756 bp
RefSeq ORF:	1773 bp
Locus ID:	22062
UniProt ID:	Q9JJP2
Cytogenetics:	4 83.79 cM
MW:	64.7 kDa

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]

Product images:



Circular map for MR209197