

Product datasheet for **RG220864**

p73 (TP73) (NM_005427) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p73 (TP73) (NM_005427) 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)



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ORF Nucleotide Sequence:

>RG220864 representing NM_005427
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCAGTCCACCGCCACCTCCCTGATGGGGCACCACGTTTGGACCTCTGGAGCTCTCTGGAAC
 CAGACAGCACCTACTTCGACCTTCCCAGTCAAGCCGGGGGAATAATGAGGTGGTGGGCGGAACGGATTC
 CAGCATGGACGTCTTCCACCTGGAGGGCATGACTACATCTGTCTGTCATGGCCAGTCAATCTGCTGAGCAGC
 ACCATGGACCAGATGAGCAGCCGCGCGCCTCGGCCAGCCCTACACCCAGAGCAGCCGCCAGCGTGC
 CCACCCACTCGCCCTACGCACAACCCAGCTCCACCTTCGACACCATGTGCGCCGGCGCCTGTCTCCCTC
 CAACACCGACTACCCCGACCCACCACTTTGAGGTCACTTTCCAGCAGTCCAGCAGGCCAAGTCAGCC
 ACCTGGACGTACTCCCGCTCTGAAGAACTCTACTGCCAGATCGCAAGACATGCCCATCCAGATCA
 AGGTGTCCACCCGCCACCCAGGACTGCCATCCGGGCCATGCCTGTTTACAAGAAAGCGGAGCAGT
 GACCGAGCTCGTAAACGCTGCCCAACCAGACTCGGGAGGGACTTCAACGAAGGACAGTCTGTCTCA
 GCCAGCCACCTCATCCGGGTGGAAGGAATAATCTCTCGCAGTATGTGGATGACCCTGTACCCGGCAGGC
 AGAGCGTCGTGGTGCCCTATGAGCCACCACAGGTGGGGACGGAATTCACCACCATCCTGTACAATTCAT
 GTGTAACAGCAGCTGTGTAGGGGCATGAACCGCGGCCCATCCTCATCATCACCCCTGGAGATGCGG
 GATGGGACGGTGTGGCCGCGCGTCTTTGAGGGCCGCATCTGCGCCTGTCTGGCCGCGACCGAAAAG
 CTGATGAGGACCACTACCGGGAGCAGCAGGCCCTGAACGAGAGCTCCGCCAAGAACGGGGCCGACGAA
 GCGTGCCTTCAAGCAGAGCCCCCTGCCGTCCCGCCCTTGGTCCCGGTGTGAAGAAGCGGGCCATGGA
 GACGAGGACACGTACTACCTCAGGTGCGAGGCCGGGAGAAGTTGAGATCCTGATGAAGCTGAAAGAGA
 GCCTGGAGCTGATGGAGTTGGTCCCGCAGCCACTGGTGGACTCCTATCGGCAGCAGCAGCTCCTACA
 GAGGCCGAGTCACTACAGCCCCGTCTACGGGCGCGTCTCTCGCCATGAACAAGGTGACCGGGGC
 ATGAACAAGCTGCCCTCCGTCAACCAGCTGGTGGCCAGCCTCCCCGCACAGTTCGGCAGCTACACCCA
 ACCTGGGGCCCGTGGGCCCGGGATGCTCAACAACCATGGCCACGCAGTCCAGCCCAACGGCGAGATGAG
 CAGCAGCCACAGCGCCAGTCCATGGTCTCGGGTCCCCTGCACTCCGCCACCCCTACCACGCGCAGC
 CCCAGCCTCGTCAGTTTTTAAACAGGATTGGGGTGTCCAACTGCATCGAGATTTTACCTCCCAAGGGT
 TACAGAGCATTTACCACCTGCAGAACCTGACCATTGAGGACCTGGGGCCCTGAAGATCCCCGAGCAGTA
 CCGCATGACCATCTGGCGGGCCTGCAGGACCTGAAGCAGGGCCACGACTACAGCACCGCGCAGCAGCTG
 CTCGCTCTAGCAACGCGCCACCATCTCCATCGGCGGCTCAGGGGAAGTGCAGCGCCAGCGGGTATGG
 AGGCCGTGCACTTCCGCGTGCGCCACACCATCACCATCCCAACCGCGGGGCCAGCGCGGCCCTGA
 CGAGTGGGCGGACTTCGGCTTCGACTGCCGACTGCAAGGCCCGCAAGCAGCCATCAAGGAGGAGTTC
 ACGGAGGCCGAGATCCAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG220864 representing NM_005427
 Red=Cloning site Green=Tags(s)

MAQSTATSPDGGTTFEHLWSSLEPDSTYFDLPQSSRGNNVVGTDSSMDVHFLEGMTTSVMAQFNLLSS
 TMDQMSSRAASAPYTPPEHAASVPTHSPYAQPSSTFDTMSPAPVIPSNTDYPGPHHFVTFQSSSTAKSA
 TWTYSPLKKLYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAHVTDVVKRCPNHELGRDFNEGQSAP
 ASHLIRVEGNLSQYVDDPVTGRQSVVVPYEPQVGFTEFTTILYNFMCNSSCVGGMNRRPILIIITLEMR
 DGQVLGRRSFEGRICACPRDRKADEDHYREQQALNESSAKNGAASKRAFQSPPAVPALGAGVKKRRHG
 DEDTYLQVRGRENFEILMKLKESELELMELVPQPLVDSYRQQQLLQRP SHLQPPSYGPVLSPMNKVHGG
 MNKLPSVNQLVGQPPPHSSAATPNLGPVGPMLNNHGHAVPANGEMSSSHAQSMVSGSHCTPPPPYHAD
 PSLVSFLTGLGCPNIEYFTSQGLQSIYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLKQGHDYSTAQQL
 LRSSNAATISIGGSGELQRQRVMEAVHFRVRHTITIPNRGGPGGPDWADF GFDLPDCKARKQPIKEEF
 TEAEIH

TRTRPLE – GFP Tag – V

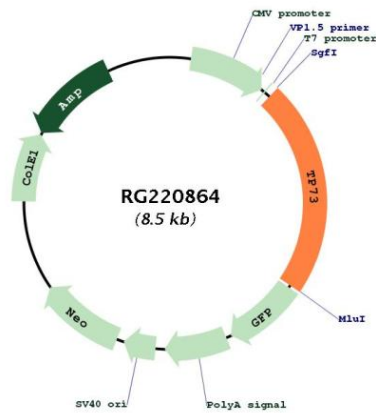
Cytogenetics: 1p36.32

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 RG220864