

Product datasheet for RC400040

p53 (TP53) (NM_000546) Human Mutant ORF Clone

Product data:

OriGene Technologies, Inc.

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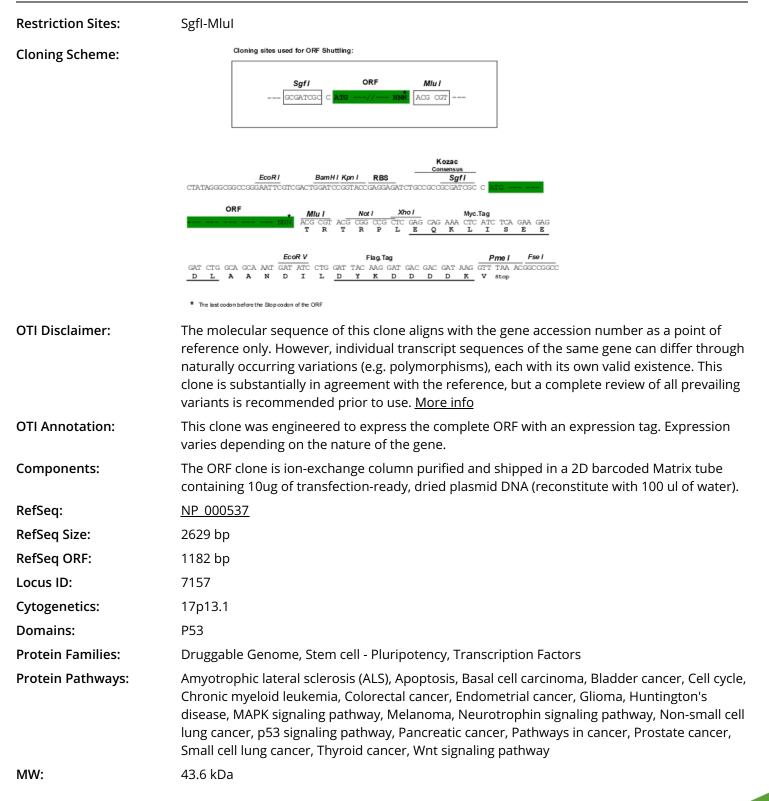
| Product Type: | Mutant ORF Clones |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name: | p53 (TP53) (NM_000546) Human Mutant ORF Clone |
| Mutation Description: | R175H |
| Affected Codon#: | 175 |
| Affected NT#: | c.524 |
| Nucleotide Mutation: | TP53 mutant (R175H), Myc-DDK-tagged ORF clone of Homo sapiens tumor protein p53 (TP53), transcript variant 1 as transfection-ready DNA |
| Effect: | Missense |
| Symbol: | p53 |
| Synonyms: | BCC7; BMFS5; LFS1; P53; TRP53 |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-Myc-DDK (PS100007) |
| Tag: | Myc-DDK |
| ACCN: | NM_000546 |
| ORF Size: | 1179 bp |
| Restriction Sites: | Sgfl-Mlul |
| Protein Sequence: | <pre>>RC400040 representing NM_000546 Red=Cloning site Green=Tags(s)</pre> |
| | MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDDLMLSPDDIEQWFTEDPGPDEAPRMPEAA PPVAPAPAAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAKSVTCTYSPALNKMFCQLAKT CPVQLWVDSTPPPGTRVRAMAIYKQSQHMTEVVRHCPHHERCSDSDGLAPPQHLIRVEGNLRVEYLDDRN TFRHSVVVPYEPPEVGSDCTTIHYNYMCNSSCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGR DRRTEEENLRKKGEPHHELPPGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRERFEMFRELNEALEL KDAQAGKEPGGSRAHSSHLKSKKGQSTSRHKKLMFKTEGPDSD |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Chromatograms: | /chromatograms/ja1115_f02.zip |



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GRIGENE p53 (TP53) (NM_000546) Human Mutant ORF Clone – RC400040



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PORIGENEp53 (TP53) (NM_000546) Human Mutant ORF Clone - RC400040Gene Summary:This gene encodes a tumor suppressor protein containing transcriptional activation, DNA
binding, and oligomerization domains. The encoded protein responds to diverse cellular
stresses to regulate expression of target genes, thereby inducing cell cycle arrest, apoptosis,
senescence, DNA repair, or changes in metabolism. Mutations in this gene are associated
with a variety of human cancers, including hereditary cancers such as Li-Fraumeni syndrome.
Alternative splicing of this gene and the use of alternate promoters result in multiple
transcript variants and isoforms. Additional isoforms have also been shown to result from the
use of alternate translation initiation codons from identical transcript variants (PMIDs:

12032546, 20937277). [provided by RefSeq, Dec 2016]

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