

Product datasheet for RC211554

EI24 (NM_001007277) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EI24 (NM_001007277) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EI24
Synonyms:	EPG4; PIG8; TP53I8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC211554 representing NM_001007277 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACAGTGTCAAACCTTTCTCCAGGACCTTGCCAGAGGAATCAAAGACTCCATCTGGGGTATTT
GTACCATCTCAAAGCTAGATGCTCGAATCCAGCAAAGAGAGAGGAGCAGCGTCGAAGAAGGGCAAGTAG
TGTCTTGGCACAGAGAAGAGCCAGAGTATAGAGCGGAAGCAAGAGAGTGAGCCACGTATTGTTAGTAGA
ATTTCCAGTGTGTGCTTGAATGGTGGAGTGTCTGGTTCAGTCTCCTTTGTTTATCGAGTATTTA
TTCTGTGCTTCAGTCGGTAACAGCCGAATTATCGGTGACCCATCACTACATGGAGATGTTTGGTCGTG
GCTGGAATCTTCTCAGTCAATTTTCAGTGCCTTTGGGTGCTCCCCTGTTTGTGCTTAGCAAAGTG
GTGAATGCCATTTGGTTTCAGGATATAGCTGACCTGGCATTGAGGTATCAGGGAGGAAGCCTCACCCAT
TCCTAGTGTGAGCAAATAATTGCTGACATGCTTTCAACCTTTTGGTGCAGGCTCTTTTCTCATTCA
GGGAATGTTTGTGAGTCTTTCCCATCCATCTTGTGGTTCAGCTGGTGTAGTCTCCTGCATATGTCCTT
CTCTACTACTGTACTGCTTTGAATATCGTTGGTTCAATAAAGTGGTGCCTTTTCTATCCTCTTTCC
TTTATTCATTATCAGCGCCAATGAAGCAAAGACCCTGGCAAAGCATATCTTCCAGTTGCGCCTCTTC
TCCTTGGTGGTCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211554 representing NM_001007277
Red=Cloning site Green=Tags(s)

MADSVKTFQLDLARGIKDSIWGICTISKLDARIQQKREEQRRRRASSVLAQRRRAQSIERKQESEPRIVSR
 IFQCCAWNGGVWFSLLLFYRVFIPVLQSVTARIIGDPSLHGDVWSWLEFFLTSIFSALWVLPFVLSKV
 VNAIWFQDIADLAFEVSGRKPFPFSPVSKIIADMLFNLLQALFLIQGMFVSLFPIHLVGQLVSLHMSL
 LYSLYCFEYRWFNKVAAFSLSSFLYSLAPMKQRPLAKHISSSCASSPWWSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001007277

ORF Size: 786 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_001007277.1](#), [NP_001007278.1](#)

RefSeq Size: 2167 bp

RefSeq ORF: 788 bp

Locus ID: 9538

Cytogenetics: 11q24.2

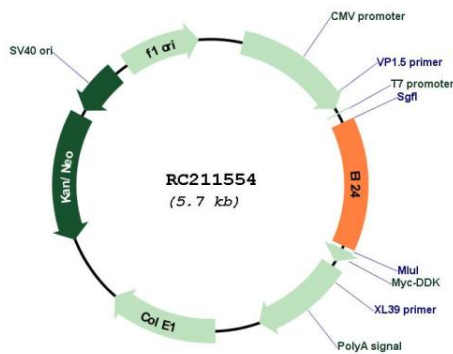
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: p53 signaling pathway

MW: 29.9 kDa

Gene Summary: This gene encodes a putative tumor suppressor and has higher expression in p53-expressing cells than in control cells and is an immediate-early induction target of p53-mediated apoptosis. The encoded protein may suppress cell growth by inducing apoptotic cell death through the caspase 9 and mitochondrial pathways. This gene is located on human chromosome 11q24, a region frequently altered in cancers. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 1, 3, 7, and 8. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RC211554