

## Product datasheet for RC201737

### EI24 (NM\_004879) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EI24 (NM_004879) 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:	>RC201737 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGACAGTGTCAAACCTTTCTCCAGGACCTTGCCAGAGGAATCAAAGACTCCATCTGGGGTATTT  
GTACCATCTCAAAGCTAGATGCTCGAATCCAGCAAAGAGAGAGGAGCAGCGTCGAAGAAGGGCAAGTAG  
TGTCTTGGCACAGAGAAGAGCCAGAGTATAGAGCGGAAGCAAGAGAGTGAGCCACGTATTGTTAGTAGA  
ATTTTCCAGTGTGTGCTTGAATGGTGGAGTGTCTGGTTCAGTCTCCTTTGTTTTATCGAGTATTTA  
TTCTGTGCTTCAGTCGGTAACAGCCGAATTATCGGTGACCCATCACTACATGGAGATGTTTGGTCGTG  
GCTGGAATTTCTCCTCAGTCAATTTTTCAGTGCCTTTGGGTGCTCCCCTTGTGTTGCTTAGCAAAGTG  
GTGAATGCCATTTGGTTTCAGGATATAGCTGACCTGGCATTGAGGTATCAGGGAGGAAGCCTCACCCAT  
TCCTAGTGTGAGCAAAATAATTGCTGACATGCTCTTCAACCTTTTGGTGCAGGCTCTTTTCTCATTCA  
GGGAATGTTTGTGAGTCTTTCCCATCCATCTTGTGGTTCAGCTGGTGTAGTCTCCTGCATATGTCCTT  
CTCTACTACTGTACTGCTTTGAATATCGTTGGTTCAATAAAGGAATTGAAATGCACCAGCGGTTGTCTA  
ACATAGAAAGGAATTGGCCTTACTACTTTGGGTTGGTTGGCCCTTGGCTTTTCTCACAGCAATGCAGTC  
CTCATATATTATCAGTGGCTGCCTTTTCTATCCTCTTTCCTTTATTTCATTATCAGCGCCAATGAAGCA  
AAGACCCCTGGCAAAGCATATCTCTCCAGTTGCGCCTTCTCCTTGGTGGTCTTCTTAAGCAACAGAG  
TCTTCCACAAGACAGTCTACCTGCAGTCGGCCCTGAGCAGCTCTACTTCTGCAGAGAAGTCCCTTACC  
GCATCCGTCGCCTGCCAACTGAAGGCTACTGCAGGTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**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\\_004879.5](#)

**RefSeq Size:** 2286 bp

**RefSeq ORF:** 1023 bp

**Locus ID:** 9538

**UniProt ID:** [O14681](#)

**Cytogenetics:** 11q24.2

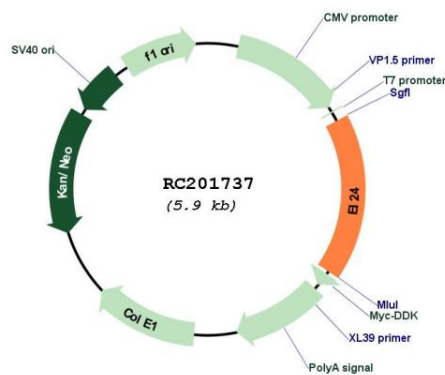
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** p53 signaling pathway

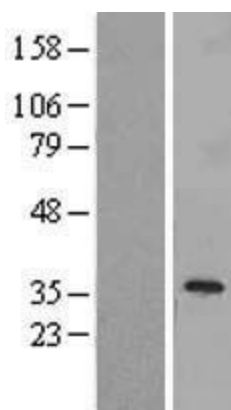
**MW:** 39 kDa

**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 RC201737



Western blot validation of overexpression lysate (Cat# [LY417681]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201737 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).