

## Product datasheet for **SC335349**

### EI24 (NM\_001290135) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EI24 (NM_001290135) Human Untagged Clone
Tag:	Tag Free
Symbol:	EI24
Synonyms:	EPG4; PIG8; TP53I8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335349 representing NM_001290135. Blue=Insert sequence Red=Cloning site Green=Tag(s)

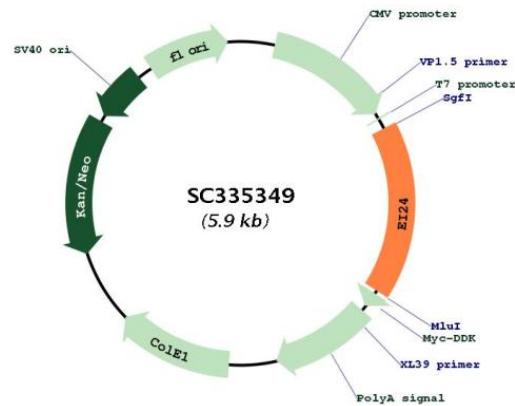
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GCTCGTTTGTGAAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGACAGTGTCAAACCTTTCTCCAGGACCTTGCCAGACTAGATGCTCGAATCCAGCAAAGAGA
GAGGAGCAGCGTCAAGAAGGGCAAGTAGTGTCTTGGCACAGAGAAGAGCCAGAGTATAGAGCGGAAG
CAAGAGAGTGAGCCACGTATTGTTAGTAGAATTTCCAGTGTGTGCTTGGAAATGGTGGAGTGTCTGG
TTCAGTCTCCTCTGTTTTATCGAGTATTTATCCTGTGCTTCAGTCGGTAACAGCCGAATTATCGGT
GACCCATCACTACATGGAGATGTTGGTCGTGGCTGGAATCTTCCTCACGTCAATTTTCAGTGTCTT
TGGGTGCTCCCTTGTGGTGTAGCAAAGTGGTGAATGCCATTTGGTTTCAGGATATAGCTGACCTG
GCATTTGAGGTATCAGGGAGGAAGCCTCACCCATTCCTAGTGTGAGCAAATAATTGCTGACATGCTC
TTCAACCTTTTGCTGCAGGCTCTTTTCCCTCATTAGGGAATGTTGTGAGTCTCTTTCCATCCATCTT
GTCGGTCACTGCTGTTAGTCTCCTGCATATGTCCTTCTCTACTCACTGTACTGCTTTGAATATCGTTGG
TTCAATAAAGGAATTGAAATGCACCAGCGGTTGTCAACATAGAAAGGAATTGGCCTTACTACTTTGGG
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ATCCTCTTCTTTATTCATTATCAGCGCAATGAAGCAAAGACCCTGGCAAAGCATATCTCTCCAG
TTGGCCCTCTTCTCCTTGGTGGTCTTCTTAAGCAACAGACTCTTCCACAAGACAGTCTACCTGCAGTCG
GCCCTGAGCAGCTACTTCTGCAGAGAAGTCCCTTACCGCATCCGTGCCTGCCAAACTGAAGCT
ACTGCAGGTCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001290135

Insert Size: 981 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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\\_001290135.1](#)

RefSeq Size: 2244 bp

RefSeq ORF: 981 bp

Locus ID: 9538

UniProt ID: [O14681](#)

Cytogenetics: 11q24.2

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** p53 signaling pathway

**MW:** 37.5 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]  
Transcript Variant: This variant (3) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.