

Product datasheet for **SC301209**

EI24 (NM_001007277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EI24 (NM_001007277) Human Untagged Clone
Tag:	Tag Free
Symbol:	EI24
Synonyms:	EPG4; PIG8; TP53I8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_001007277 edited
 GCCCAGTGC GGGCGCAGCGGCCCGGCCCTGGAAGCGCCCGCGGAGCTGGCCCGCGT
 GGGCTAGGGGCAGGGCCGAGCCGCGCGGCGGAGCTGTGGATCCTTCATGATGAGAGAT
 TTGGGGACACTTCTCTCTCTGTGTGTAGTTGATGATTTGGTGGTGAAGAGATGGCTGAC
 AGTGTCAAACCTTTCTCCAGGACCTTGCCAGAGGAATCAAAGACTCCATCTGGGGTATT
 TGTACCATCTCAAAGCTAGATGCTCGAATCCAGCAAAGAGAGAGGAGCAGCGTCGAAGA
 AGGGCAAGTAGTGTCTTGGCACAGAGAAGAGCCAGAGTATAGAGCGGAAGCAAGAGAGT
 GAGCCACGTATTGTTAGTAGAATTTCCAGTGTTGTGCTTGAATGGTGGAGTGTCTGG
 TTCAGTCTCCTCTGTTTTATCGAGTATTTATTCTGTGCTTCAGTCGGTAACAGCCCGA
 ATTATCGGTGACCCATCACTACATGGAGATGTTTGGTCGTGGCTGGAATCTTCTCACG
 TCAATTTTCAGTGTCTTTGGGTGCTCCCCTTGTGTGCTTAGCAAAGTGGTGAATGCC
 ATTTGGTTTCAGGATATAGCTGACCTGGCATTGAGGTATCAGGGAGGAAGCCTCACCCA
 TTCCCTAGTGTCAAGAAATAATTGCTGACATGCTCTTCAACCTTTTGTGCAGGCTCTT
 TTCCTCATTAGGGAATGTTGTGAGTCTTTCCCATCCATCTGTGCGTCAGTGTT
 AGTCTCCTGCATATGTCCTTCTACTACTGTACTGCTTTGAATATCGTTGGTTCAAT
 AAAGTGGCTGCCTTTTCTATCCTCTTCCCTTTATTCATTATCAGCGCCAATGAAGCAA
 AGACCCCTGGCAAAGCGTATCTCTTCCAGTTGGCCTCTTCTCCTTGGTGGTCTTCTTAA
 GCAACAGACTCTTCCACAAGACAGTCTACCTGCAGTCGGCCCTGAGCAGCTCTACTTCTG
 CAGAGAAGTTCCTTCCACCGCATCCGTCGCTGCCAACTGAAGGCTACTGCAGGTCAGT
 GAGTTGCCTGCCATCAAAGGGGATGGGCGGATTGGAAGAAGCTGTGGCAGCTCTTTTC
 CCTGTTACCTCCCGCTGCCAGGAAGGCAGGACCCGCTCTGCCAAGGGCCCTCTGCGT
 ATTCCTTCTCTCTGAGGAATTGAAATTTTGTCTCTGGTGCACGTAAGGCAGAATGTTT
 CCTGACACCAGTGTGTGGATTTTAAACATCACCGTGAGTCTGAAAGGACCACAGGTTTTT
 CTGCAGCTATTTTCTAGCATTTGCCAGTCCCTGTGCTGACTGATTGGAACACTTTGTT
 TTTCTCCCTGTGCCATTTACCCTTCCACCTTTCCATCCTGCCTTCTACCACCTTGGATG
 AATGGATTTTGAATTTCTAGCTGTTGTATTTTGTGAATTTGTTAATTTTGTGTTTTTCT
 GTGAAACACATACATTGGATATGGGAGGTAAAGGAGTGTCCAGTTGCTCCTGGTCACTC
 CCTTTATAGCCATTACTGTCTTGTCTTGTAACTCAGGTTAGGTTTTGGTCTCTCTTGC
 TCCCTGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001007277

Insert Size: 1700 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001007277.1.

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:	<ol style="list-style-type: none">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:	<u>NM_001007277.1, NP_001007278.1</u>
RefSeq Size:	2167 bp
RefSeq ORF:	789 bp
Locus ID:	9538
Cytogenetics:	11q24.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	p53 signaling pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks one of the coding exons compared to transcript variant 1, which results in a frameshift and early transcription termination. The encoded isoform (2) is shorter and has a distinct C-terminus compared to isoform 1.</p>