

Product datasheet for **RG201737**

EI24 (NM_004879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EI24 (NM_004879) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EI24
Synonyms:	EPG4; PIG8; TP53I8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201737 representing NM_004879 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACAGTGTCAAACCTTTCTCCAGGACCTTGCCAGAGGAATCAAAGACTCCATCTGGGGTATTT
GTACCATCTCAAAGCTAGATGCTCGAATCCAGCAAAGAGAGAGGAGCAGCGTCGAAGAAGGGCAAGTAG
TGTCTTGGCACAGAGAAGAGCCAGAGTATAGAGCGGAAGCAAGAGAGTGAGCCACGTATTGTTAGTAGA
ATTTCCAGTGTGTGCTTGAATGGTGGAGTGTCTGGTTCAGTCTCCTTTGTTTATCGAGTATTTA
TTCTGTGCTTCAGTCGGTAACAGCCGAATTATCGGTGACCCATCACTACATGGAGATGTTTGGTCGTG
GCTGGAATTCTTCTCAGTCAATTTTCAGTGCCTTTGGGTGCTCCCCTTGTGTTGCTTAGCAAAGTG
GTGAATGCCATTTGGTTTCAGGATATAGCTGACCTGGCATTGAGGTATCAGGGAGGAAGCCTCACCCAT
TCCTAGTGTGAGCAAAATAATTGCTGACATGCTCTTCAACCTTTTGGTGCAGGCTCTTTTCTCATTCA
GGGAATGTTTGTGAGTCTTTCCCATCCATCTTGTGCGGTGAGCTGGTTAGTCTCCTGCATATGTCCTT
CTCTACTACTGTACTGCTTTGAATATCGTTGGTTCAATAAAGGAATTGAAATGCACCAGCGGTTGTCTA
ACATAGAAAGGAATTGGCCTTACTACTTTGGGTTGGTTGGCCCTTGGCTTTTCTCACAGCAATGCAGTC
CTCATATATTATCAGTGGCTGCCTTTTCTATCCTCTTTCCTTTATTCAATATCAGCGCCAATGAAGCA
AAGACCCTGGCAAAGCATATCTCTCCAGTTGCGCCTTCTCCTTGGTGGTCTTCTTAAGCAACAGAG
TCTTCCACAAGACAGTCTACCTGCAGTCGGCCCTGAGCAGCTCTACTTCTGCAGAGAAGTCCCTTACC
GCATCCGTCGCCTGCCAACTGAAGGCTACTGCAGGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201737 representing NM_004879
Red=Cloning site Green=Tags(s)

MADSVKTFQLDLARGIKDSIWGICTISKLDARIQQKREEQRRRRASSVLAQRRRAQSIERKQESEPRIVSR
 IFQCCAWNGGVWFSLLLFYRVFIPVLQSVTARIIGDPSLHGDVWSWLEFFLTSIFSALWVLPFLVLSKV
 VNAIWFQDIADLAFEVSGRKPFPFVSVSKIIADMLFNLLQALFIQGMFVSLFPIHLVGLVSLHMSL
 LYSLYCFEYRWFNKGIEMHQRLSNIERNWPYYFGFGLPLAFLTAMQSSYIISGCLFSILFPLFIISANEA
 KTPGKAYLFQLRFLSLVFLSNRLFHKTVYLQSALSSSTSAAEKFPSPHPSPAKLKATAGH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004879

ORF Size: 1020 bp

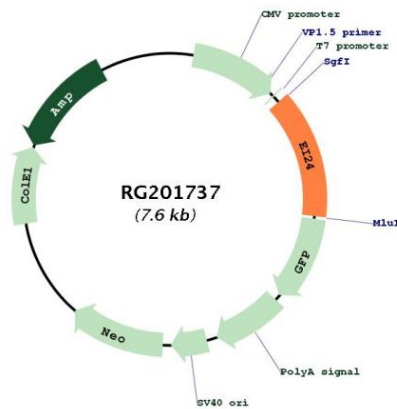
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<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:	NM_004879.5
RefSeq Size:	2279 bp
RefSeq ORF:	1023 bp
Locus ID:	9538
UniProt ID:	O14681
Cytogenetics:	11q24.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	p53 signaling pathway
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 RG201737