

Product datasheet for **RG237455**

EI24 (NM_001290135) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EI24 (NM_001290135) 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:	>RG237455 representing NM_001290135. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCTGACAGTGTCAAACCTTTCTCCAGGACCTTGCCAGACTAGATGCTCGAATCCAGCAAAGAGA
GAGGAGCAGCGTCGAAGAAGGGCAAGTAGTGTCTTGCCACAGAGAAGAGCCAGAGTATAGAGCGGAAG
CAAGAGAGTGAGCCACGTATTGTTAGTAGAATTTCCAGTGTGTGCTTGGAAATGGTGGAGTGTCTGG
TTCAGTCTCCTCTGTTTTATCGAGTATTTATCCTGTGCTTCAGTCGGTAACAGCCGAATTATCGGT
GACCCATCACTACATGGAGATGTTGGTCGTGGCTGGAATTCCTCCTCACGTCAATTTTCAGTGCTCTT
TGGGTGCTCCCTTGTTTGTGCTTAGCAAAGTGGTGAATGCCATTTGGTTTCAGGATATAGCTGACCTG
GCATTTGAGGTATCAGGGAGGAAGCCTCACCCATTCCTAGTGTGAGCAAATAATTGCTGACATGCTC
TTCAACCTTTTGCTGCAGGCTCTTTTCCCTCATTAGGGAATGTTGTGAGTCTCTTTCCCATCCATCTT
GTCCGTGACGTGGTTAGTCTCCTGCATATGTCCTTCTCTACTCACTGTACTGCTTTGAATATCGTTGG
TTCAATAAAGGAATTGAAATGCACCAGCGGTTGTCTAACATAGAAAGGAATTGGCCTTACTACTTTGGG
TTTGGTTTGCCCTTGGCTTTTCTCACAGCAATGCAGTCCATATATTATCAGTGGCTGCCTTTTCTCT
ATCCTCTTTCCTTATTCATTATCAGCGCAATGAAGCAAAGACCCTGGCAAAGCATATCTCTCCAG
TTGGCCCTCTTCTCCTTGGTGGTCTTCTTAAGCAACAGACTCTTCCACAAGACAGTCTACCTGCAGTCG
GCCCTGAGCAGCTCTACTTCTGCAGAGAAGTTCCTTACCGCATCCGTGCCTGCCAACTGAAGGCT
ACTGCAGGTAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237455
 Blue=ORF Red=Cloning site Green=Tag(s)

MADSVKTFQLDLARLDARIQQKREEQRRRRASSVLAQRRRAQSIERKQSEPRIVSRIFQCCAWNGGVFW
 FSLLL FYRVFIPVLQSVTARIIGDPSLHGDVWSWLEFFLT SIF SALWVLPFLVLSKVVNAIWFQDIADL
 AFEVSGRKPFPFVSVSKIADMLFNLLQLALFLIQGMFVSLFPIHLVGQLVSLHMSLLYSLYCFEYRW
 FNKGIEMHQRLSNIERNWPFYFGFLPLAFLTAMQSSYIISGCLFSILFPLFIISANEAKTPGKAYLFQ
 LRLFLSVVFLSNRLFHKTVYLQSA LSSSTS AEFSPSPHPSPAKLKATAGH
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001290135

ORF Size: 978 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).

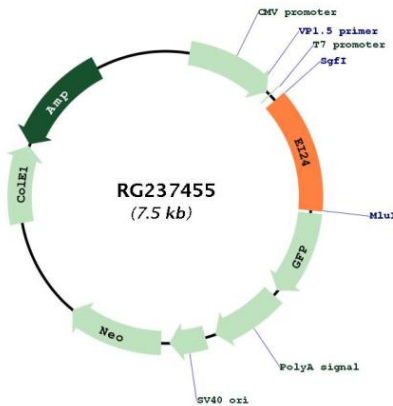
RefSeq: [NM_001290135.2](#)

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: 37.9 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 RG237455