

## Product datasheet for **RC235754**

### EIF4E3 (NM\_001282886) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** EIF4E3 (NM\_001282886) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** EIF4E3  
**Synonyms:** eIF-4E3; eIF4E-3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC235754 representing NM\_001282886  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGAGAGGAGAGAGGCGACCACTTTGGGAAGAGGAGAGTAATGCAAAGGGTGGCGTATGGAAGATGAAAG  
 TCCCCAAGGACAGCACGTCCACAGTTTGGAAAGAGTTGCTGTTAGCAACCATCGGGGAACAGTTCACAGA  
 CTGTGCCGCAGCAGATGATGAAGTAATAGGAGTTAGTGTCAGTGTTCGGGACCGAGAAGACGTCGTCCAA  
 GTCTGGAATGTAAATGCCTCTTTAGTGGGTGAAGCGACTGTTTTAGAAAAGATCTATGAACCTCTGCCCC  
 ACATAACTTTTAAAGCAGTATTTTATAAACCCCATGAAGAGCATCATGCTTTTGAAGGTGGACGTGGAAA  
 ACAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC235754 representing NM\_001282886  
Red=Cloning site Green=Tags(s)

MRGERRPLWEEESNAKGGVWKMVKPKDSTSTVWKELLATIGEQTDCAAADDEVIGVSVSRDREDVVQ  
 VWNVNASLVGEATVLEKIYELLPHITFKAVFYKPHIEHHAFEGGRGKH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI


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### Cloning Scheme:



ACCN: NM 001282886

ORF Size: 354 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:**

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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

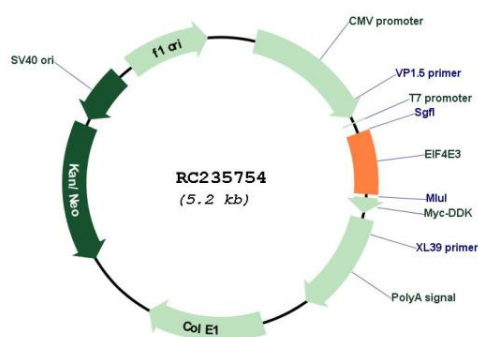
RefSeq: [NM\\_001282886.2](#)

RefSeq Size: 6202 bp

RefSeq ORF: 357 bp  
 Locus ID: 317649  
 UniProt ID: [Q8N5X7](#)  
 Cytogenetics: 3p13  
 MW: 13.8 kDa

**Gene Summary:** EIF4E3 belongs to the EIF4E family of translational initiation factors that interact with the 5-prime cap structure of mRNA and recruit mRNA to the ribosome (Joshi et al., 2004 [PubMed 15153109]).[supplied by OMIM, Mar 2008]

## Product images:



Circular map for RC235754