

Product datasheet for **RG209694**

EIF4E3 (NM_173359) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EIF4E3 (NM_173359) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: EIF4E3
Synonyms: eIF-4E3; eIF4E-3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209694 representing NM_173359
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAGGAGAGAGGCGACCACTTTGGGAAGAGGAGAGTAATGCAAAGGGTGGCGTATGGAAGATGAAAG
 TCCCAAGGACAGCACGTCCACAGTTTGGAAAGAGTTGCTGTTAGCAACCATCGGGAACAGTTCACAGA
 CTGTGCCGCAGCAGATGATGAAGTAATAGGAGTTAGTGTGAGTTCGGGACCGAGAAGACGTCGTCCAA
 GTCTGGAATGTAATGCCTCTTTAGTGGGTGAAGCGACTGTTTTAGAAAAGATCTATGAAGTCTGCCCC
 ACATAACTTTAAAGCAGTATTTATAAACCCCATGAAGAGCATCATGCTTTGAAGGTGGACGTGGAAA
 ACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209694 representing NM_173359
 Red=Cloning site Green=Tags(s)
 MRGERRPLWEEESNAKGGVWKMVVKDSTSTVWKELLLATIGEQFTDCAAADDEIVGSVSVRDREDVVQ
 VWNVNASLVGEATVLEKIYELLPHITFKAVFYKPHHEHHAFEGGRGKH

TRTRPLE - GFP Tag - V

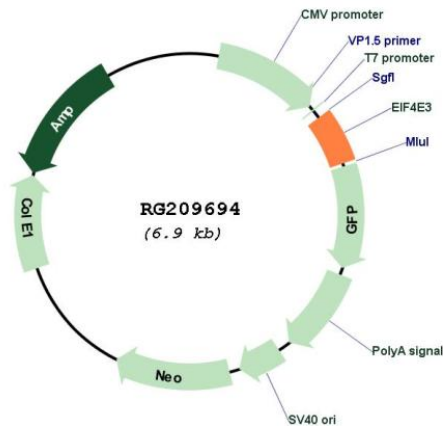
Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN: NM_173359

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:	<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_173359.5
RefSeq Size:	2781 bp
RefSeq ORF:	357 bp
Locus ID:	317649
UniProt ID:	Q8N5X7
Cytogenetics:	3p13
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]