

Product datasheet for **RG201271**

EIF1 (NM_005801) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EIF1 (NM_005801) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: EIF1
Synonyms: A121; EIF-1; EIF1A; ISO1; SUI1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201271 representing NM_005801
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGCTATCCAGAACCTCCACTCTTTCGACCCCTTTGCTGATGCAAGTAAGGGTGATGACCTGCTTC
 CTGCTGGCACTGAGGATTATATCCATATAAGAATTCACAGAGAAACGGCAGGAAGACCCTTACTACTGT
 CCAAGGGATCGTGATGATTACGATAAAAAGAACTAGTGAAGGCGTTAAGAAAAGTTTGCTGCAAT
 GGTAAGTGAATTGAGCATCCGGAATATGGAGAAGTAATTCAGCTACAGGGTGACCAACGCAAGAACATAT
 GCCAGTTCCTCGTAGAGATTGGACTGGCTAAGGACGATCAGCTGAAGGTTTCATGGGTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201271 representing NM_005801
 Red=Cloning site Green=Tags(s)

MSAIQNLHSFDPFADASKGDDLLPAGTEDYIHIRIQQRNGRKTLLTVQGIADDYDKKKLVKAFKKKFKACN
 GTVIEHPEYGEVIQLQGDQRKNICQFLVEIGLAKDDQLKVHGF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_005801

ORF Size: 339 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.

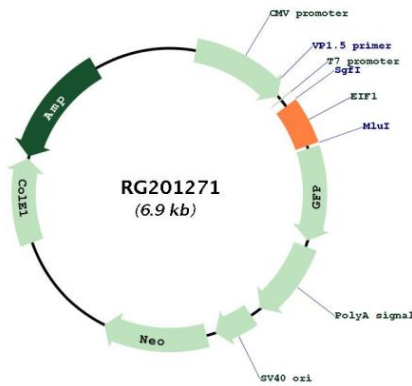
RefSeq: [NM_005801.4](#)

RefSeq Size: 1326 bp

RefSeq ORF: 342 bp

Locus ID: 10209
UniProt ID: [P41567](#)
Cytogenetics: 17q21.2
Domains: SUI1
Gene Summary: Necessary for scanning and involved in initiation site selection. Promotes the assembly of 48S ribosomal complexes at the authentic initiation codon of a conventional capped mRNA. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG201271