

Product datasheet for **RG210335**

eIF1A (EIF1AX) (NM_001412) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: eIF1A (EIF1AX) (NM_001412) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: eIF1A
Synonyms: eIF-1A; eIF-4C; EIF1A; EIF1AP1; EIF4C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210335 representing NM_001412
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCAAGAATAAAGGTAAAGGAGGTAAAAACAGACGCAGGGTAAGAATGAGAATGAATCTGAAAAA
 GAGAACTGGTATTCAAAGAGGATGGTCAGGAGTATGCTCAGGTAATCAAATGTTGGAAATGGACGGCT
 AGAAGCAATGTGTTTCGATGGTGTAAAGAGGTTATGTCACATCAGAGGAAAATTGAGAAAAAGGTTTGG
 ATAAATACCTCGGACATTATTTGGTTGGTCTCCGAGACTACCAGGATAACAAAGCTGATGTAATTTTAA
 AATACAATGCAGACGAAGCTAGAAGTCTGAAGGCATACGGCGAGCTTCCAGAGCATGCTAAAATCAATGA
 AACTGATACATTTGGTCCTGGAGATGATGATGAAATTCAGTTTGATGACATTGGAGATGATGATGAAGAT
 ATTGATGACATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210335 representing NM_001412
 Red=Cloning site Green=Tags(s)

MPKNKGKGGKNRRRGKNESEKREL VFKEDGQEYAQVIKMLGNRLEAMCFDGVKRLCHIRGKLRKKVW
 INTSDIILVGLRDYQDNKADVILKYNADARSCLKAYGELPEHAKINETDTFGPGDDDEIQFDDIDGDDDED
 IDDI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001412

ORF Size: 432 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_001412.4](#)

RefSeq Size: 4431 bp

RefSeq ORF: 435 bp

Locus ID: 1964

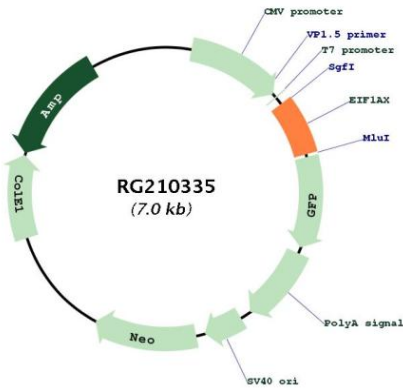
UniProt ID: [P47813](#)

Cytogenetics: Xp22.12

Domains: eIF-1a

Gene Summary: This gene encodes an essential eukaryotic translation initiation factor. The protein is required for the binding of the 43S complex (a 40S subunit, eIF2/GTP/Met-tRNAⁱ and eIF3) to the 5' end of capped RNA. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210335