

Product datasheet for **RC235848**

EIF1AY (NM_001278612) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EIF1AY (NM_001278612) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: EIF1AY
Synonyms: eIF-4C
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC235848 representing NM_001278612
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCCAAGAATAAAGGTAAGGAGGTAAAAACAGGCGCAGGGGTAAAAATGAGAATGAATCTGAAAAA
 GAGAGTTGGTGTAAAGAGGATGGACAAGAGTATGCTCAGGTAATCAAATGTTGGGAAATGGACGATT
 GGAAGCATTGTGTTTGTGTTAAAGAGGTTATGCCATATCAGAGGGAAATTGAGAAAAAGGATAAC
 AAAGCTGATGAATTTAAAGTACAATGCAGATGAAGCTAGAAGCCTGAAGGCATATGGCGAGCTTCCAG
 AACATGCTAAAAATCAATGAAACAGACACATTTGGTCCTGGAGATGATGATGAAATCCAGTTGACGATAT
 TGGAGATGATGATGAAGACATTGATGATATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC235848 representing NM_001278612
 Red=Cloning site Green=Tags(s)

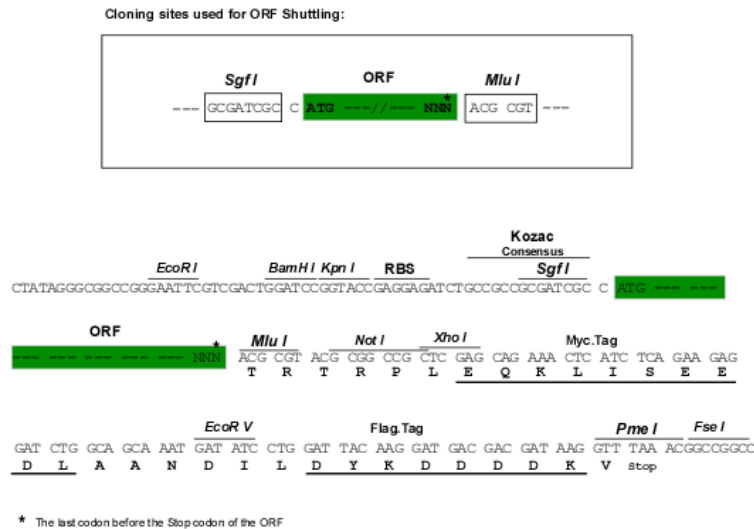
MPKNKGKGGKNRRRGKNENESEKRELVFKEDGQEYAQVIKMLGNRLEALCFDGVKRLCHIRGKLRKKDN
 KADVILKYNADARSCLKAYGELPEHAKINETDTFGPGDDDEIQFDDIGDDDEDIDDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001278612

ORF Size: 381 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.

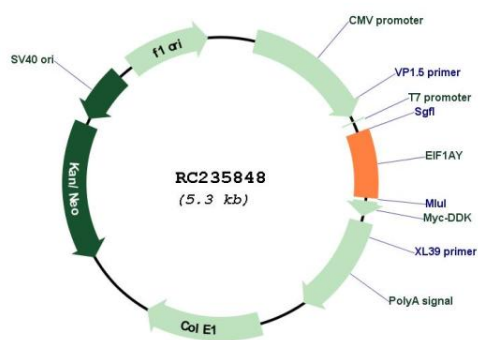
RefSeq: [NM_001278612.1](#), [NP_001265541.1](#)

RefSeq Size: 1362 bp

RefSeq ORF: 384 bp
 Locus ID: 9086
 UniProt ID: [O14602](#)
 Cytogenetics: Yq11.223
 MW: 14.9 kDa

Gene Summary: This gene is located on the non-recombining region of the Y chromosome. It encodes a protein related to eukaryotic translation initiation factor 1A (EIF1A), which may function in stabilizing the binding of the initiator Met-tRNA to 40S ribosomal subunits. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC235848