

Product datasheet for **RG233337**

EIF1AD (NM_001242482) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EIF1AD (NM_001242482) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: EIF1AD
Synonyms: haponin; OBELIX
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233337 representing NM_001242482
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCTCAGGCCACCAAGAGGAAGCATGTGGTGAAGGAGGTGCTAGGGGAGCACATAGTGCCTCCGACC
 AGCAGCAGATTGTCAGGGTACTCAGGACCCAGGGAACAATCTGCATGAGGTGGAGACAGCCCAAGGCA
 GCGCTTCTGGTGAAGGAGGAGAAAAGGTGAAGGCTGAAATCTCGTTTGTGCTCTGCAAGGACCACGTGC
 GTTACCCATTGAAGAGGGAGAAAAGGTGAAGGCTGAAATCTCGTTTGTGCTCTGCAAGGACCACGTGC
 GCTCTCTGCAGAAGGAGGGTTTTGGCCTGAGGCTTCTCTGAAGTGGCTGAGAAACACAACAACAGGAA
 CAGACAACTCAACCAGAACTCCAGCTGAGCCACAGTTATCAGGAGAGGAGTCCAGCTCAGAAGATGAT
 TCTGACCTGTTTGTAAACACAAACCGCAGACAGTATCATGAGAGTGAAGAGGAGAGTGAAGAGGAGGAGG
 CAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233337 representing NM_001242482
 Red=Cloning site Green=Tags(s)

MSQATKRKHVVKEVLGEHIVPSDQQQIVRVLRTPGNNLHEVETAQQQRFLVSMPSKYRKNIIWIKRGDFLI
 VDPIEEGEKVKAEIFVLCKDHVRSLQKEGFWPEAFSEVAEKHNNRNRQTQPELPAEPQLSGEESSEDD
 SDLFVNTNRRQYHESEEEEEEEAA

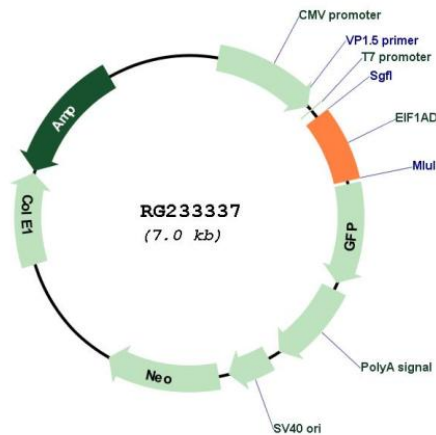
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001242482

ORF Size: 495 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:	<u>NM_001242482.2</u>
RefSeq Size:	2901 bp
RefSeq ORF:	498 bp
Locus ID:	84285
UniProt ID:	<u>Q8N9N8</u>
Cytogenetics:	11q13.1
Gene Summary:	Plays a role into cellular response to oxidative stress. Decreases cell proliferation. [UniProtKB/Swiss-Prot Function]