

## Product datasheet for **RG224460**

### eEF1A2 binding protein (IGFN1) (NM\_178275) Human Tagged ORF Clone

#### Product data:

|                           |                                                                                                                    |
|---------------------------|--------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                                                |
| Product Name:             | eEF1A2 binding protein (IGFN1) (NM_178275) Human Tagged ORF Clone                                                  |
| Tag:                      | TurboGFP                                                                                                           |
| Symbol:                   | eEF1A2 binding protein                                                                                             |
| Synonyms:                 | DKFZp434B1231; eEF1A2 binding protein; EEF1A2BP1; immunoglobulin-like and fibronectin type III domain containing 1 |
| Mammalian Cell Selection: | Neomycin                                                                                                           |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                                                            |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                                             |



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**ORF Nucleotide  
Sequence:**

>RG224460 representing NM\_178275  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGGGGTGGCAGCCTATGGGAGAGAACTGGGGTGCCTGGAGGAGATGCTGAATGAAGATCAGAGCCGGG  
 AGCCCCCTGGTCACCTTGGTAGCAGGAGAAGTGGCAAAGACGGCAGGTTGGACATCTATGGAGAGAGGAG  
 AGATGCTACCCGGAGTTCCACATCCAGATACAAGCCTGGCACTGGCAGTTTCTCCAAGGATGCCAAGGC  
 CCCATGGGCCACTTCTCCAGGGCCTGGCTGACATGGAAGTGCAGCCGGGGAGGCCGCCACACTCTCT  
 GTACCCTCACCAGTGACCTGGGACCTGGCACCTGGTTTAAGGATGGCGTCAAGCTCACCACCCAGGATGG  
 AGTCATCTTTAAGCAAGACGGTCTCGTGACAGCCTCTTCATCACGCATGTGCAGGGGACCAAGCTGGG  
 AGGTACACCTTTGTAGCTGGTGACCAGCAGAGCGAGGCCACCCTGACCGTCCAGGATCCCTACCATTG  
 CTCCAGATGTGACAGAGAACTGAGAGAGCCACTGGTGGTCAAGGCTGGGAAGCCGGTGATAGTGAAGAT  
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 GACAGGGAGGCCAGGTGGACCTGGGGGATGGCTACACGCGGCTGTGCCTCCCCAGCGCAGGCAGGAAGG  
 ACTGTGGCCAGTACAGCGTGACACTGAGGAGTGAGGGAGGCTCTGTGCAGGCCGAGCTCACTCTGCAAGT  
 CATAGACAAGCCTGATCCCCACAAGGCCCATGGAGGTTGAGGATTGCCATAGGGCTGGCGTCTGCCTC  
 CGCTGGCGGCCCCCAAGGGACAATGGGGGCCGACTGTAGAGTGCTACGTGGTGGAGAGACGGCAGGCTG  
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 TCTCCAAGTCACAGACAGATCGAACACCAAGCATCACTCTGAGCTGGGCTGGGCCAGACACCCAGGAAGGG  
 GATGAAGCCCAGGGGTATGTGGTGGAGCTGTGCAGCTCAGACAGTCTCCAGTGGCTCCCGTGCCATGTAG  
 GCACCGTGCCAGTCACCACCTACACGGCCAAGGGCTTCGGCCTGGAGAGGGCTACTTGTGCGGGTGAC  
 AGCAGTTAATGAAGGAGGCCAGAGCCAGCCAGTGCCTGGACACATTAGTCAAGCCATGCCTGTTACT  
 GTCTGTCCCAAGTTCTCGTGGACTCCAGCACCAAGGACTTGCTGACAGTCAAGGTGGGGACACAGTTC  
 GTGTGCCCGTCTCCTTTGAAGCCATGCCATGCCCTGAGGTGACCTGGCTGAAGGATGGCTTGCCCTTGCC  
 CAAAAGAAGTGTGACTGTCACTAAGGATGGCCTCACCCAGCTTCTGATCCCTGTGGCTGGACTCTCAGAC  
 AGTGGTCTCTACACTGTGGTGTGAGGACCCTGCAGGGGAAGGAGGTTGCCACAGCTTCCGTATCAGGG  
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 CCCCCGGTGTACAGCACTGACCTGTGGGCTGTGCTCCCTCACCATCCCCAGCGTATCCCCGAAGGAC  
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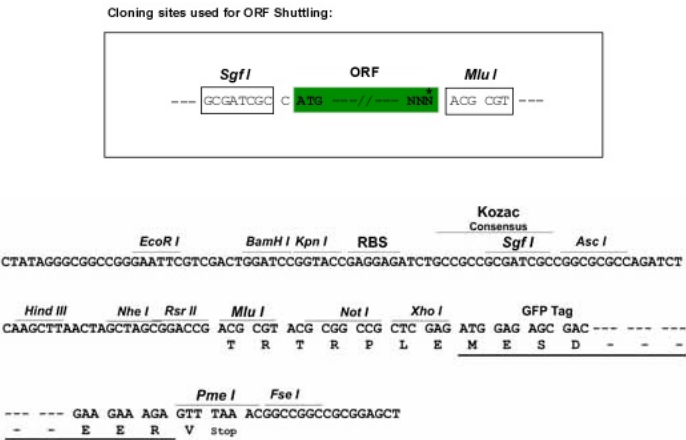
**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG224460 representing NM\_178275  
 Red=Cloning site Green=Tags(s)

MGWQPMGENWGCLEEMLNEDQSREPPGHLGSRSGKDGRLDIYGERRDATRSSTSRYPKPGTGSFSKDAQG  
 PMGHFSQGLADMEVQPGEAATLSCTLTSDLGPGTWFKDGVKLTQDGVIFKQDGLVHSLFITHVQGTQAG  
 RYTFVAGDQQSEATLTVQDSPTIAPDVTEKLREPLVVKAGKPVIVKIPFQSHLPIQAAWRKDGAEEVVGSS  
 DREAQVDLGDGYTRLCLPSAGRKDCGQYSVTLRSEGGSVQAEATLQVIDKPDPPQGPMEVQDCHRAGVCL  
 RWRPPRDNGGRTVECYVVERRQAGRSTWLKVGEAPADSTFTDAHVEPGRKYTFVRVAVTSEGAGEALES  
 EEILVAPEALPKAPSAPAILSASSQGITLTWTAPRGPSSAHILGYLIERRKKGSTNTWTAVNDQVPERRW  
 TVADVVRQGCQYEFRTAVAPSGPGEPPSDAVFARDPMRPPGLVRNLQVTDRSNTSITLSWAGPDTQEG  
 DEAQGYVVELCSSDSLQWLPCHVGTVPVTTYTAKGLRPGEGYFVRVTAVNEGGQSQPSALDTLVQAMPVT  
 VCPKFLVDSSTKDLLTVKVGDTVVPVSFEAMPMEVTWLDGLPLPKRSVTVTKDGLTQLLIPVAGLSD  
 SGLYTVVLRTLQKGEVAHSFRIRVAACQAPGPIHLQENVPGTVAEWEPSPDEAQDVLHYAVFTRSSA  
 HGPWHEAADRIYTNRFLLGILPGHEYHFRVAKNELGASKPSDTSQPWCIPRQRDRFTVKAPCYREPD  
 SQKPRFLVGLRSHLLPQGCCCCSCAVQGSPPHVTWFKNDRSLEGNPAVYSTDLLGVCSTLIPSVSPKD  
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TRTRPLE - GFP Tag - V

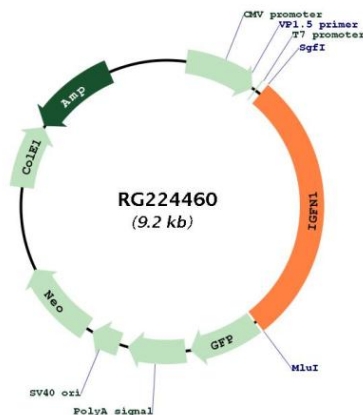
Restriction Sites:  
 Cloning Scheme:



ACCN: NM\_178275

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>ORF Size:</b>              | 2604 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>                                                                      |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <a href="#">NM_178275.3</a> , <a href="#">NP_840059.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq Size:</b>           | 3951 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2606 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 91156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 1q32.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Product images:



Circular map for RG224460