

## Product datasheet for **RC224460**

### **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:                      | Myc-DDK                                                                                                            |
| 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-Entry (PS100001)                                                                                             |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                                                               |



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**ORF Nucleotide  
Sequence:**

&gt;RC224460 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGGGTGGCAGCCTATGGGAGAGAACTGGGGTGCCTGGAGGAGATGCTGAATGAAGATCAGAGCCGGG  
 AGCCCCCTGGTCACCTTGGTAGCAGGAGAAGTGGCAAAGACGGCAGGTTGGACATCTATGGAGAGAGGAG  
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 CCCATGGGCCACTTCTCCAGGGCCTGGCTGACATGGAAGTGCAGCCGGGGAGGCCACACTCTCT  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
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Protein Sequence: >RC224460 protein sequence  
 Red=Cloning site Green=Tags(s)

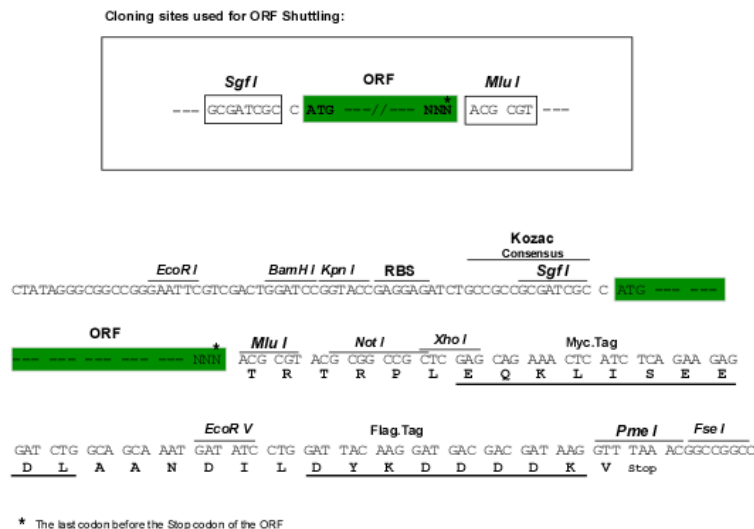
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 EEILVAPEALPKAPSAPAILSASSQGITLTWTAPRGPSSAHILGYLIERKKGSNTWTAVNDQVPVPERRW  
 TVADVVRQGCQYEFRTAVAPSGPGEPPSDAVFARDPMRPPGLVRNLQVTDNRNTSITLSWAGPDTQEG  
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 SGLYTVVLRTLQKGEVAHSFRIRVAACQAPGPIHLQENVPGTVAEWEPSPDEAQDVLHYAVFTRSSA  
 HGPWHEAADRIYTNRFLLGILPGHEYHFRVAKNELGASKPSDTSQPWCIPRQRDRFTVKAPCYREPD  
 SQKPRFLVGLRSHLLPQGCCCMSCAVQGSPPRHVTWFKNDRSLEGNPAVYSTDLLGVCSLTIPSVSPKD  
 SGEYKAVAENTLGQAVSTATLIVIEPST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6558\\_e11.zip](https://cdn.origene.com/chromatograms/mk6558_e11.zip)

Restriction Sites: SgfI-MluI

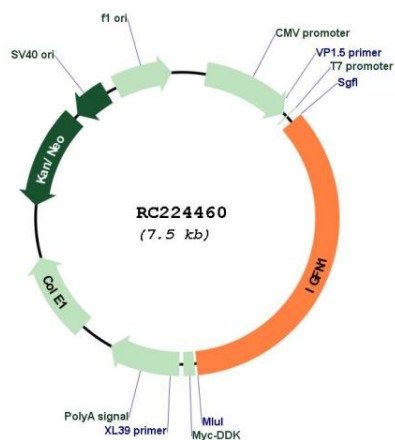
Cloning Scheme:



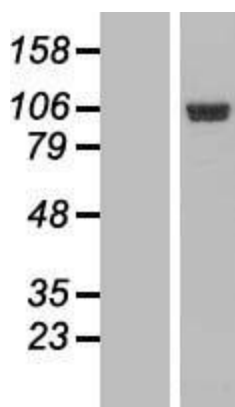
ACCN: NM\_178275

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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_178275.4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>           | 3951 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2606 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 91156                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cytogenetics:</b>          | 1q32.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MW:</b>                    | 94.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

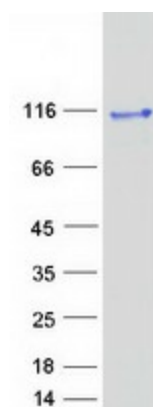
## Product images:



Circular map for RC224460



Western blot validation of overexpression lysate (Cat# [LY405992]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224460 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified IGFN1 protein (Cat# [TP324460]). The protein was produced from HEK293T cells transfected with IGFN1 cDNA clone (Cat# RC224460) using MegaTran 2.0 (Cat# [TT210002]).