

## Product datasheet for **RG240058**

### CYFIP2 (NM\_001291721) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CYFIP2 (NM_001291721) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CYFIP2
Synonyms:	EIEE65; PIR121
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240058 representing NM_001291721. Blue=ORF Red=Cloning site Green=Tag(s)

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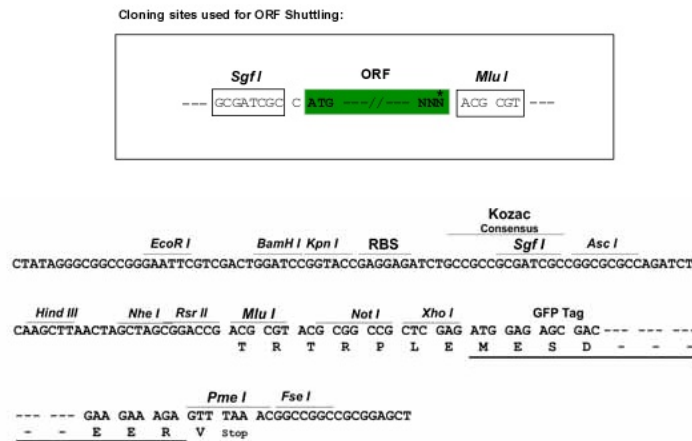
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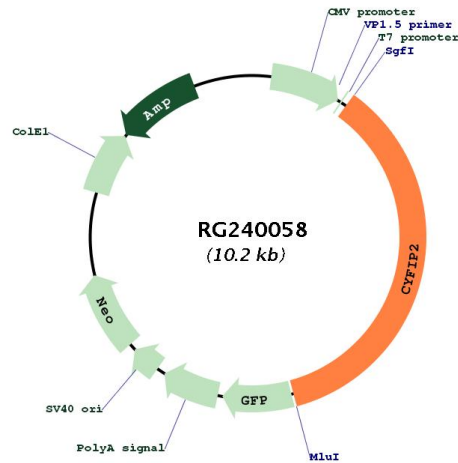
**Protein Sequence:** >Peptide sequence encoded by RG240058  
 Blue=ORF Red=Cloning site Green=Tag(s)

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 INMFAVLDELKNMKCSVKNDHSAYKRAAQFLRKMADPQSIQESQNLSMFLANHNRIQTCLHQLEVIPG  
 YEELLADIVNICVDYYENKMYLTPSEKHMLLKVMGFGLYLDGNGVSNIIYKLDAKKRINLSKIDKFFKQL  
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 FQSLREVGNAILFCLLIEQALSQEEVCDLLHAAPFQNILPRVYIKEGERLEVRMKRLEAKYAPLHLVPL  
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 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001291721

**ORF Size:** 3681 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).

**RefSeq:** [NM\\_001291721.2](#)

**RefSeq Size:** 6421 bp

**RefSeq ORF:** 3684 bp

**Locus ID:** 26999

**UniProt ID:** [Q96F07](#)

**Cytogenetics:** 5q33.3

**Protein Pathways:** Regulation of actin cytoskeleton

**MW:** 143 kDa

**Gene Summary:** Involved in T-cell adhesion and p53/TP53-dependent induction of apoptosis. Does not bind RNA. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity).[UniProtKB/Swiss-Prot Function]