

## Product datasheet for **RG225341**

### EEF1D (NM\_001130056) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EEF1D (NM_001130056) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EEF1D
Synonyms:	EF-1D; EF1D; FP1047
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225341 representing NM_001130056 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTACAACTCCTAGCACATGAGAAGATCTGGTTCGACAAGTTCAAATATGACGACGCAGAAAGGA  
GATTCTACGAGCAGATGAACGGGCTGTGGCAGGTGCCTCCCGCCAGAGCTCAGGCCCGGGCCTCCAG  
CGGCACCAGCGGAGACCACGGTGAGCTCGTCGTCGGATTGCCAGTCTGGAAGTGGAGAACCAGAGTCTG  
CGTGGCGTGGTACAGGAGCTGCAGCAGGCCATCTCCAAGCTGGAGGCCCGGCTGAACGTGCTGGAGAAGA  
GCTCGCCTGGCCACCGGGCCACGGCCCCACAGACCCAGCACGTATCTCCCATGCGCCAAGTGGAGCCCC  
AGCCAAGAAGCCAGCCACACCAGCAGAGGATGACGAGGATGATGACATTGACCTGTTTGGCAGTGACAAT  
GAGGAGGAGGACAAGGAGGCGGCACAGCTGCGGGAGGAGCGGCTACGGCAGTACGCGGAGAAGAAGGCCA  
AGAAGCCTGCACTGGTGGCCAAGTCTCCATCCTGCTGGATGTCAAGCCTTGGGATGATGAGACGGACAT  
GGCCCAGCTGGAGGCTGTGTGCGCTCTATCCAGCTGGACGGGCTGGTCTGGGGGCTTCCAAGCTGGT  
CCCGTGGGCTACGGTATCCGGAAGCTACAGATTCAGTGTGTGGTGGAGGACGACAAGGTGGGACAGACT  
TGCTGGAGGAGGATCACCAAGTTTGAGGAGCACGTGCAGAGTGTGATATCGCAGCTTCAACAAGAT  
C

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225341 representing NM\_001130056  
Red=Cloning site Green=Tags(s)

MATNFLAHEKIWFDFKFKYDDAERRFYEQMNGPVGASRQSSGPGASSGTSGDHGELVVRIASLEVENQSL  
 RGVVQELQQAISKLEARLNVLEKSSPGHRATAPQTHVSPMRQVEPPAKKPATPAEDDEDDIDLFGSDN  
 EEEDKEAAQLREERLRQYAEKKAKKPALVAKSSILLDKVPWDETDMAQLEACVRSIQLDGLVWGASKLV  
 PVGYGIRKLQIQCVVEDDKVGTDLLEEEITKFEHVQSVDAIAFNKI

TRTRPLE - GFP Tag - V

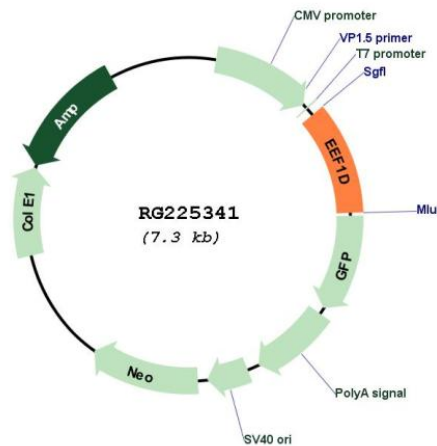
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_001130056

**ORF Size:** 771 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>RefSeq:</b>	<a href="#">NM_001130056.4</a>
<b>RefSeq Size:</b>	1204 bp
<b>RefSeq ORF:</b>	774 bp
<b>Locus ID:</b>	1936
<b>UniProt ID:</b>	<a href="#">P29692</a>
<b>Cytogenetics:</b>	8q24.3
<b>Gene Summary:</b>	This gene encodes a subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This subunit, delta, functions as guanine nucleotide exchange factor. It is reported that following HIV-1 infection, this subunit interacts with HIV-1 Tat. This interaction results in repression of translation of host cell proteins and enhanced translation of viral proteins. Several alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. Related pseudogenes have been defined on chromosomes 1, 6, 7, 9, 11, 13, 17, 19.[provided by RefSeq, Aug 2010]