

## Product datasheet for **RG239513**

### **EPC1 (NM\_001282391) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	EPC1 (NM_001282391) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EPC1
Synonyms:	Epl1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239513 representing NM\_001282391.  
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
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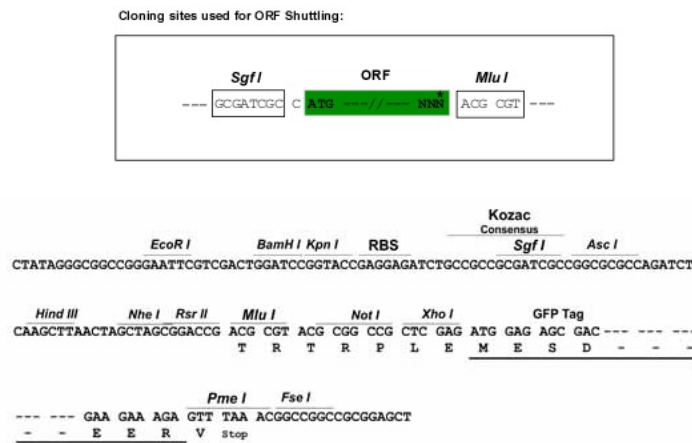
**Protein Sequence:** >Peptide sequence encoded by RG239513  
 Blue=ORF Red=Cloning site Green=Tag(s)

```

MEHHLQRAISAQQVYGEKRDNMVIPVEAESNIAYYESIYPGEFKMPKQLIHIQPFSLDAEQPDYDLDS
EDEVFVNKLNKMDICPLQFEEMIDRLEKGGQQPVSLEAKLLKEDDELIREVVEYWKRRKRCRGP
SLIPSVKQEKRDGSSNDPYYAFRRRTEKMQRKRNKDEASYEKMLKRRDLRAVITILEMIKRREKS
KRELLHLTLEIMEKRYNLGDYNGEIMSEVMAQRQPMKPTYAIIPIITNSSQFKHQEAMDVKEFKVKNQ
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LAQIQQQANSNSTNTSQGFVSKTLDSASAQFAASALVTSEQLMGFKMKDDVVLGIGVNGVLPASGVY
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ATVNSIAPINARHIPRTL SAVPSSALKLAAAANCQVSKVPSSSSVDSVPRENHESEKPALNNIADNTVA
MEVT
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SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
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```

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282391

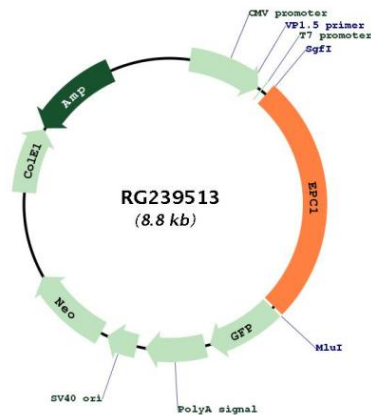
**ORF Size:** 2289 bp

**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.

<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>RefSeq:</b>	<a href="#">NM_001282391.3</a>
<b>RefSeq Size:</b>	3954 bp
<b>RefSeq ORF:</b>	2292 bp
<b>Locus ID:</b>	80314
<b>UniProt ID:</b>	<a href="#">Q9H2F5</a>
<b>Cytogenetics:</b>	10p11.22
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	85.7 kDa
<b>Gene Summary:</b>	This gene encodes a member of the polycomb group (PcG) family. The encoded protein is a component of the NuA4 histone acetyltransferase complex and can act as both a transcriptional activator and repressor. The encoded protein has been linked to apoptosis, DNA repair, skeletal muscle differentiation, gene silencing, and adult T-cell leukemia/lymphoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]

### Product images:



Circular map for RG239513