

## Product datasheet for **RG236607**

### **EBAG9 (NM\_001278938) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EBAG9 (NM_001278938) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EBAG9
Synonyms:	EB9; PDAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236607 representing NM_001278938. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGCCATCACCCAGTTTCGGTTATTTAAATTTGTACCTGCCTAGCAACAGTATTCTCATTCTAAAG
AGATTAATATGCAGATCTGGCAGAGGACGGAAATTAAGTGGAGACCAAATAACTTTGCCAACTACAGTT
GATTATTCATCAGTTCCTAAGCAGACAGATGTTGAAGAGTGGACTTCTGGGATGAAGATGCACCCACC
AGTGTAAGATCGAAGGAGGGAATGGGAATGTGGCAACACAACAAAATCTTTGGAACAACCTGGAACCT
GACTATTTAAGGACATGACACCAACTATTAGGAAAACAGAAAATTGTTATTAAGAAGAGAGAACCA
TTGAATTTGGCATCCAGATGGGAGCACAGGTTTCTCTAGTAGATTAGCAGCTACACAAGATCTGCCT
TTTATTCATCAGTCTTCTGAATTAGGTGACTTAGATACCTGGCAGGAAAATACCAATGCATGGGAAGAA
GAAGAAGATGCAGCCTGGCAAGCAGAAGAAGTTCTGAGACAGCAGAAAACAGCAGACAGAGAAAAGAGA
GCAGCCGAACAACAAAGGAAGAAAATGGAAAAGGAAGCACAACGGCTAATGAAGAAGGAACAAAACAAA
ATTGGTGTGAACTTTCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG236607  
 Blue=ORF Red=Cloning site Green=Tag(s)

MAITQFRLFKFCTCLATVFSFLKRLICRSGRGRKLSGDQITLPTTVDYSSVPKQTDVEEWTSWDEDAPT  
 SVKIEGGNGNVATQQNSLEQLPDIYFKDMPTPIRKTQKIVIKKREPLNFGIPDGSTGFSSRLAATQDLP  
 FIHQSSLEGLDLDTWQENTNAWEEEEEDAQQAEVLRQQLADREKRAAEQQRKKMEKEAQRMLMKKEQNK  
 IGVKLS

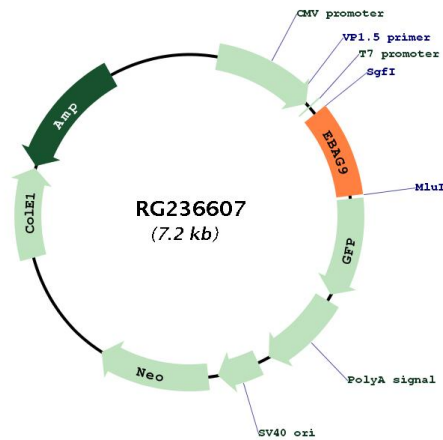
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAVTEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001278938

<b>ORF Size:</b>	639 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>RefSeq:</b>	<a href="#">NM_001278938.1</a> , <a href="#">NP_001265867.1</a>
<b>RefSeq Size:</b>	2208 bp
<b>RefSeq ORF:</b>	642 bp
<b>Locus ID:</b>	9166
<b>UniProt ID:</b>	<a href="#">O00559</a>
<b>Cytogenetics:</b>	8q23.2
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	24.4 kDa
<b>Gene Summary:</b>	This gene was identified as an estrogen-responsive gene. Regulation of transcription by estrogen is mediated by estrogen receptor, which binds to the estrogen-responsive element found in the 5'-flanking region of this gene. The encoded protein is a tumor-associated antigen that is expressed at high frequency in a variety of cancers. Alternate splicing results in multiple transcript variants. A pseudogene of this gene has been defined on chromosome 10. [provided by RefSeq, Jul 2013]