

## Product datasheet for **RC236607**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EBAG9 (NM_001278938) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	EBAG9
Synonyms:	EB9; PDAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236607 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCATCACCCAGTTTCGGTTATTTAAATTTGTACCTGCCTAGCAACAGTATTCTCATTCTAAAGA  
GATTAATATGCAGATCTGGCAGAGGACGGAAATTAAGTGGAGACCAAATAACTTTGCCAACTACAGTTGA  
TTATTCATCAGTTCCTAAGCAGACAGATGTTGAAGAGTGGACTTCCTGGGATGAAGATGCACCCACCAGT  
GTAAGATCGAAGGAGGGAATGGGAATGTGGCAACACAACAAAATCTTTGGAACAACCTGGAACCTGACT  
ATTTTAAGGACATGACACCAACTATTAGGAAAACCTCAGAAAATTGTTATTAAGAAGAGAGAACCATTGAA  
TTTTGGCATCCCAGATGGGAGCAGAGTTTCTCTAGTAGATTAGCAGCTACACAAGATCTGCCTTTTATT  
CATCAGTCTTCTGAATTAGGTGACTTAGATACCTGGCAGGAAAATACCAATGCATGGGAAGAAGAAGAAG  
ATGCAGCCTGGCAAGCAGAAGAAGTTCTGAGACAGCAGAAAACCTAGCAGACAGAGAAAAGAGAGCAGCCGA  
ACAACAAGGAAGAAAATGGAAAAGGAAGCACAACGGCTAATGAAGAAGGAACAAAACAAAATTTGGTGTG  
AACTTTCA

**ACGCGT**ACGCGGCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC236607 protein sequence  
 Red=Cloning site Green=Tags(s)

MAITQFRLFKFCTCLATVFSFLKRLICRSGRGRKLSGDQITLPTTVDYSSVPKQTDVEEWTSWDEDAPTS  
 VKIEGGNGNVATQQNSLEQLPQDYFKDMPTPIRKTQKIVIKKREPLNFGIPDGSTGFSSRLAATQDLPII  
 HQSSELGDLDTWQENTNAWEEEDAAWQAEVLRQOKLADREKRAAEQQRKKMEKAQRLMKKEQNKIGV  
 KLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6341\\_d02.zip](https://cdn.origene.com/chromatograms/mk6341_d02.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001278938

**ORF Size:** 639 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001278938.1](#), [NP\\_001265867.1](#)

**RefSeq Size:** 2208 bp

**RefSeq ORF:** 642 bp

**Locus ID:** 9166

**UniProt ID:** [O00559](#)

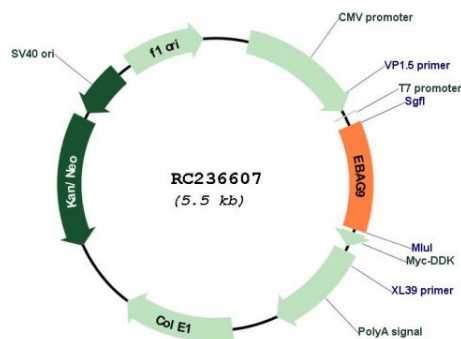
**Cytogenetics:** 8q23.2

**Protein Families:** Druggable Genome

**MW:** 24.4 kDa

**Gene Summary:** 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]

## Product images:



Circular map for RC236607