

Product datasheet for **RC240114**

EMSY (NM_001300942) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EMSY (NM_001300942) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: EMSY
Synonyms: C11orf30; GL002
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC240114 representing NM_001300942
Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC240114 representing NM_001300942
 Red=Cloning site Green=Tags(s)

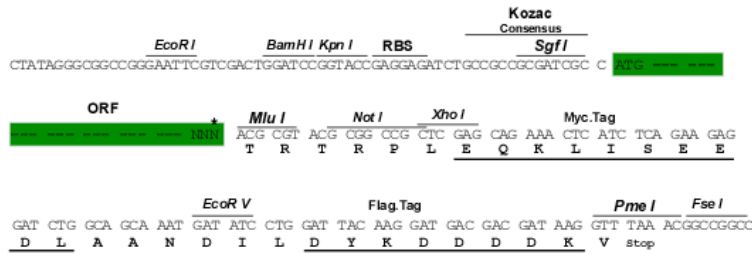
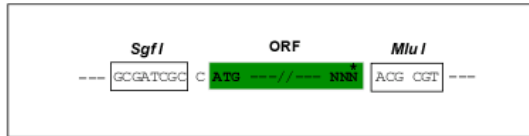
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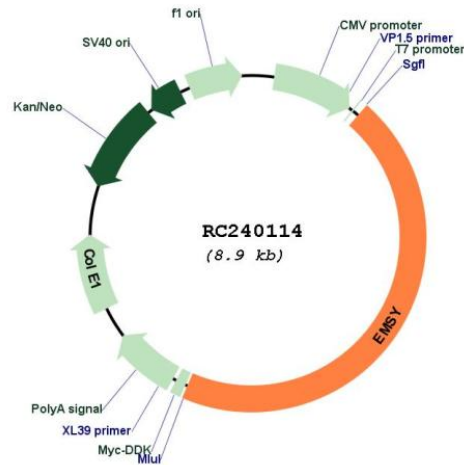
Restriction Sites:
 Cloning Scheme:

SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001300942

ORF Size: 4011 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_001300942.2](#)

RefSeq Size: 6916 bp

RefSeq ORF: 4014 bp

Locus ID: 56946

UniProt ID: [Q7Z589](#)

Cytogenetics: 11q13.5

MW: 143.6 kDa

Gene Summary: Regulator which is able to repress transcription, possibly via its interaction with a multiprotein chromatin remodeling complex that modifies the chromatin. Its interaction with BRCA2 suggests that it may play a central role in the DNA repair function of BRCA2. As part of a histone H3-specific methyltransferase complex may mediate ligand-dependent transcriptional activation by nuclear hormone receptors.[UniProtKB/Swiss-Prot Function]