

## Product datasheet for **RG240114**

### EMSY (NM\_001300942) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	EMSY (NM_001300942) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EMSY
Synonyms:	C11orf30; GL002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240114 representing NM_001300942. Blue=ORF Red=Cloning site Green=Tag(s)

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Protein Sequence: >Peptide sequence encoded by RG240114  
 Blue=ORF Red=Cloning site Green=Tag(s)

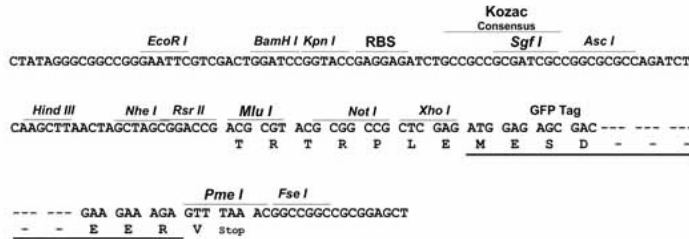
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Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

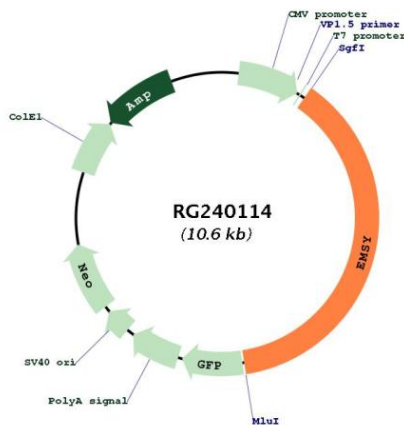


ACCN: NM\_001300942

ORF Size: 4011 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_001300942.2</a>
<b>RefSeq Size:</b>	6916 bp
<b>RefSeq ORF:</b>	4014 bp
<b>Locus ID:</b>	56946
<b>UniProt ID:</b>	<a href="#">Q7Z589</a>
<b>Cytogenetics:</b>	11q13.5
<b>MW:</b>	143.6 kDa
<b>Gene Summary:</b>	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]

**Product images:**



Circular map for RG240114