

## Product datasheet for **MR210973**

### Eef2 (NM\_007907) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Eef2 (NM_007907) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Eef2
Synonyms:	Ef-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR210973 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGAACCTCACAGTAGATCAGATCCGTGCCATCATGGACAAGAAAGCCAACATCCGGAACATGTCAG  
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## Protein Sequence:

&gt;MR210973 protein sequence

Red=Cloning site Green=Tags(s)

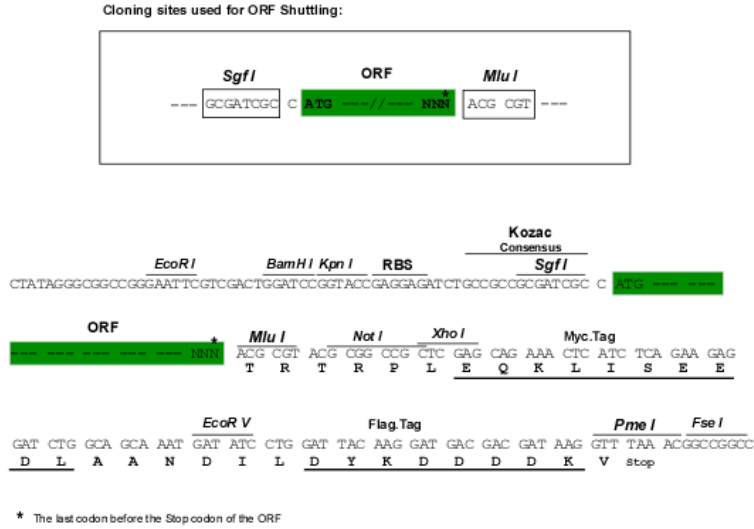
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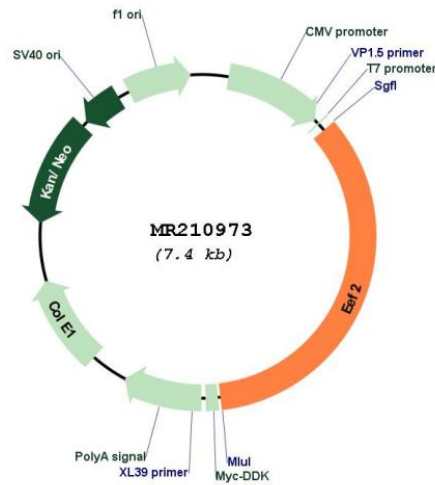
## Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_007907
<b>ORF Size:</b>	2577 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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_007907.2</a>
<b>RefSeq Size:</b>	3126 bp
<b>RefSeq ORF:</b>	2577 bp
<b>Locus ID:</b>	13629
<b>UniProt ID:</b>	<a href="#">P58252</a>
<b>Cytogenetics:</b>	10 C1
<b>MW:</b>	95.3 kDa
<b>Gene Summary:</b>	Catalyzes the GTP-dependent ribosomal translocation step during translation elongation. During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl-tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively. Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome.[UniProtKB/Swiss-Prot Function]