

## Product datasheet for **MR221055**

### **Nbea (NM\_030595) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nbea (NM_030595) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nbea
Synonyms:	Lyst2; mKIAA1544
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR221055 representing NM_030595, <b>codon optimized</b> . Due to the complexity of NM_030595, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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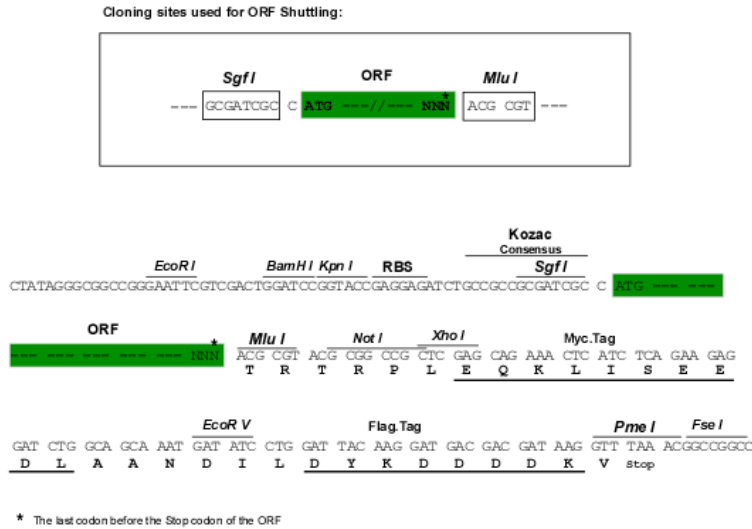
Protein Sequence: >MR221055 representing NM\_030595  
 Red=Cloning site Green=Tags(s)

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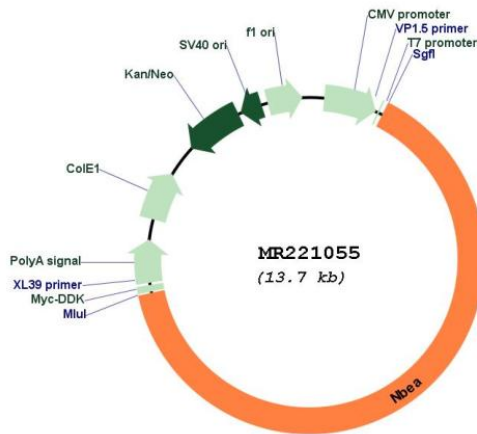
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Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_030595

ORF Size: 8808 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).

<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_030595.1</a> , <a href="#">NP_085098.1</a>
<b>RefSeq Size:</b>	10998 bp
<b>RefSeq ORF:</b>	8811 bp
<b>Locus ID:</b>	26422
<b>UniProt ID:</b>	<a href="#">Q9EPN1</a>
<b>Cytogenetics:</b>	3 26.61 cM
<b>MW:</b>	326.7 kDa
<b>Gene Summary:</b>	Binds to type II regulatory subunits of protein kinase A and anchors/targets them to the membrane. May anchor the kinase to cytoskeletal and/or organelle-associated proteins. May have a role in membrane trafficking.[UniProtKB/Swiss-Prot Function]