

## Product datasheet for **MR210220**

### **Foxp2 (NM\_212435) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Foxp2 (NM_212435) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxp2
Synonyms:	2810043D05Rik; AI449000; CAG-16; D0Kist7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

&gt;MR210220 ORF sequence

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

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCAGGAATCTGCGACAGAGACAATAAGCAACAGTTCAATGAATCAAAATGGAATGAGCACTTTAA  
 GCAGCCAATTAGATGCTGGCAGCAGGGATGGGAGATCAAGTGGTGACACCAGCTCTGAAGTAAGCAGAGT  
 GGAGCTGCTGCATCTGCAACAACAGCAGGCTCTCCAGGCAGCAAGACAACCTTTTGTACAGCAGCAAAACC  
 AGTGGATTGAAATCTCCTAAGAGCAGTGAGAAGCAGAGGCCACTGCAGGTGCCGTGTGGTGGCCATGA  
 TGACTCCCCAAGTGATCACCCCTCAGCAGATGCAGCAGATTCTTCAGCAGCAGGTCTGTCTCTCAGCA  
 GCTCCAGGCCCTCTCCAGCAGCAGCAAGCTGTGATGTTGCAGCAGCAACAACACTACAAGAGTTTACAAG  
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 GATTGCAGAGGATGAAGACTGTCCAATGTCAATTAGTGACAACAGCCAATCACAGTCCGGAGTTAGAAGAT  
 GACAGAGAGATTGAGGAAGAGCCTTTATCTGAGGACCTGGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210220 protein sequence

Red=Cloning site Green=Tags(s)

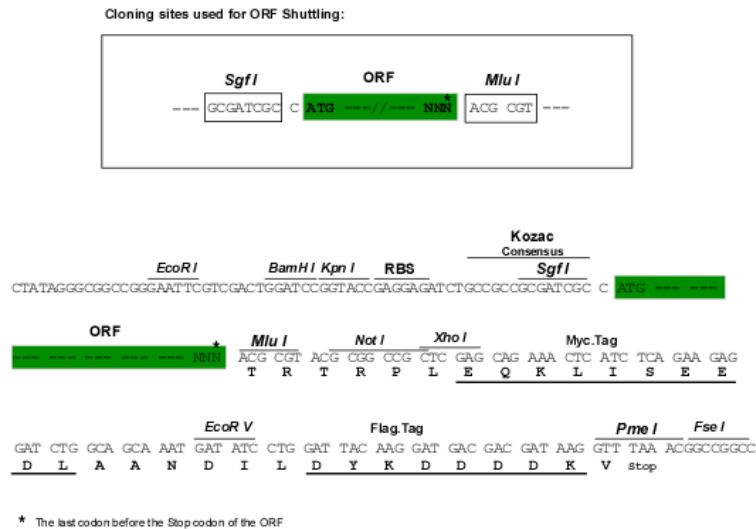
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APNYEFYKNADVRRPFTYATLIRQAIMESSDRQLTLNEIYSWFTRTFAYFRNAAATWKNAYRHNLHLKHC  
FVRVENVKAVWTVDEVEYQKRRSQKITGSPTLVKNIPTSLGYGAALNASLQAALAESSLPLLSNPGLIN  
NASSGLQAVHEDLNGSLDHIDSNSSPGCSPQPHIHSIHVKEEPVIAEDEDCPMSLVTTANHSPLEED  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN:

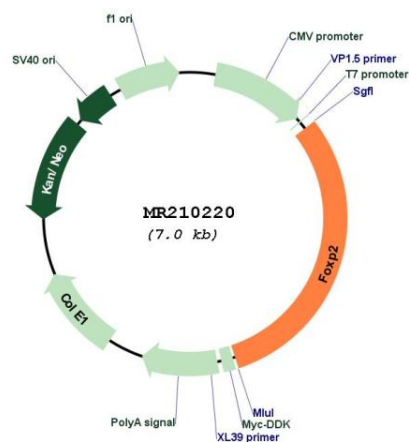
NM\_212435

ORF Size:

2145 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_212435.1</a> , <a href="#">NP_997600.1</a>
<b>RefSeq Size:</b>	6423 bp
<b>RefSeq ORF:</b>	2145 bp
<b>Locus ID:</b>	114142
<b>UniProt ID:</b>	<a href="#">P58463</a>
<b>Cytogenetics:</b>	6 A1
<b>MW:</b>	79.8 kDa
<b>Gene Summary:</b>	Transcriptional repressor that may play a role in the specification and differentiation of lung epithelium. May also play a role in developing neural, gastrointestinal and cardiovascular tissues. Can act with CTBP1 to synergistically repress transcription but CTPBP1 is not essential. Plays a role in synapse formation by regulating SRPX2 levels.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR210220