

Product datasheet for **RR217132**

Foxp2 (NM_001271104) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxp2 (NM_001271104) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxp2
Synonyms:	RGD1559697
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR217132 representing NM_001271104
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGCAGGAATCTGCGACAGAGACAATAAGCAACAGTTCAATGAATCAAAATGGAATGAGCACTCTAA
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 GCTCCAGGCCCTCCTCCAGCAGCAGCAGGCTGTGATGCTGCAGCAGCAACAACAAGAGTTTTACAAG
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 CGCCAATAACACATCATTCCATAGTGAATGGACAGTCTTCAGTTCTGAACGCCAGGCGGGACAGTTCTGTC
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Protein Sequence: >RR217132 representing NM_001271104
Red=Cloning site Green=Tags(s)

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MMQESATETISNSSMNQNGMSTLSSQLDAGSRDRSSGDTSSSEVSTVELLHLQQQQALQAARQLLQQQT
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EEEPLSEDL
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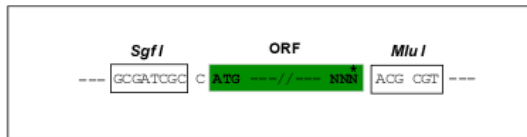
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001271104

ORF Size: 2130 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_001271104.1](#), [NP_001258033.1](#)

RefSeq Size: 6754 bp

RefSeq ORF: 2133 bp

Locus ID: 500037

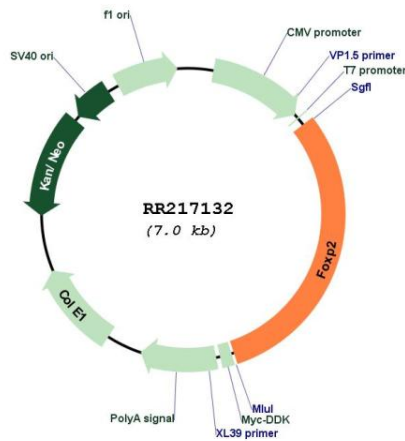
UniProt ID: [P0CF24](#)

Cytogenetics: 4q21

MW: 79.2 kDa

Gene Summary: 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 (By similarity). Plays a role in synapse formation by regulating SRPX2 levels.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR217132