

Product datasheet for **MG221682**

Foxp4 (NM_001110825) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxp4 (NM_001110825) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Foxp4
Synonyms:	1200010K03Rik; 2310007G05Rik; mFKHLA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG221682 representing NM_001110825
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGTGGAGTCTGCATCGGAGACAATCAGGTCGGCTCCGCTGGTCAGAACGGCGTGGGCAGCCTCT
 CTGCGCAGGCTGATGGCGCGGTGGGGCCGGGACCGCGGCACGGCCCCGGCTGCCGGTAGGGATGCCTC
 AGGCAGGGAAGCAGCCAGCGGAGGAGCCGACAGCAATGGCGAGATGAGCCCCGGGAGCTTCTGCACTTC
 CAACAGCAACAGGCTCTCCAGGTGGCCCGCAGTTCCTGTTGCAGCAAGCCTCCAGCCTGAACTCCCCGG
 GGAACAATGACAGTAAACAGTCGGCCTCTGCGGTGCAGGTGCCTGTGTCTGTGGCCATGATGTCCCAGCA
 GATGCTTACCCCCAGCAGATGCAGCAGATCCTGTCGCCACCTCAGTGCAGGCCTTGCTGCAGCAGCAA
 CAGGCTCTCATGTCCAGCAGTGCAGGAGTATTACAAGAAGCAGCAAGAGCAGCTCCACCTGCAGCTCC
 TACCCAGCAGCAGGCTGAAAACAGCAGCCAAAGAGGCCCTGGGGAACAAGCAGCTGGCTTCCAGCA
 GCAGCTCTGCAGATGCAACAGTTGCAGCAACAGCACTTGCTCAACCTCCAGAGGCAGGGCTGGTCAGC
 CTGCAGCCAAGCCAAGCCTCAGGGCCCCCTCAGGCCCTCCCGCAAGCCGTGTGCCCGACAGACCTGCCCC
 AGCTGTGAAAGGCGAGGGTGCSCCGGGCAGCCCGCTGAGGACAGCGGCAGGCAGGAGGGGCTGGACCT
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 GTTCCCACCCTCTTTATGGACATGGGGAGTGCAAGTGGCCAGGCTGTGAGACCCTGTGTGAAGACCTGGG
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 CAGAGCTTGCCAGAATCATGAGTTCTACAAGAACGCTGACGTCAGGCCCCCTTCACTACGCTTCCCT
 TATCCGCCAGGCCATTCTGAAACTCCAGATCGGCAGCTGACGCTAAATGAGATTTATAACTGGTTCACC
 AGGATGTTTCGCTACTTCCGAAGAAACACGGCCACCTGGAAGAATGCCGTGCGCCACAACCTCAGCCTGC
 ACAAGTGTTCGTCGTTGGGAAACGTCAGGGGGCCGTGTGGACTGTGGATGAGCGGGAATATCAGAA
 ACGGAGACCGCAAAGATGACAGGGAGTCCACTCTGGTGAAGAATGATCTCGGGCTCAGTTACGGG
 GCACTTAAAGCCAGCTACCAGGCTGCCCTGGCAGAGAGCAGCTTCCCTTCTCAGCAACCCCGCATGC
 TGAACCTTGCTCAGCCAGCAGCCTTCTGCCCTCAGCCAGGAGGACCTGGGTGTCCCTGGGGAACCACT
 ACCCAGCAATGGGAGCAGTAGCCCGCTCGTCTTCCCTCCTCAGTACAGCCACCAGATACAAGTCAAA
 GAGGAGCTGCAGAGGCAGAGGAAGACCGCCGGGGCCTCCCTTGGGCGCCCCAACCCAGCAGCTG
 TGGGGCTCCAGAAGACAGGGACCTGGAGGAGGACCTGGGAGGAGGACATGTCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221682 representing NM_001110825
 Red=Cloning site Green=Tags(s)

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MMVESASETIRSAPSGQNGVGSLSAQADGGGGAGTAGTAPAAGRNASGREASGGADSNEMSPAELLHF
QQQALQVARQFLQASSLNSPGNDSKQASAVQVPVSVAMMSQMLTPQQMQQILSPPQLQALLQQQ
QALMLQQLQEYKKQEQELHLQLLTQQQAGKQPKALGNKQLAFQQQLLQMQLQQHLLNLQRQGLVS
LQPSQASGPLQALPQAVCPTDLPQLWKGEQAGQPAEDSGRQEGLDLASTAVTATSFASPPKVSPPLSHH
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MQVVQLEIQLAKESESLQAMMAHLHMRPSEPKPFSQPVTVSADPFDPGLVHPPTSAAPVTPLRPPGLG
SASLHSGGPARRRSNDKFCSPISSELAQNHEFYKNADVRRPFTYASLIRQAILETPDRQLTLNEIYNWFT
RMFAYFRNTATWKNVVRHNLHLKCFVRVENVKGAVWTVDEREYQKRRPPKMTGSPVLKNNMISGLSYG
ALNASYQAALAESSFLLSNPGMLNPGSASSLLPLSQEDLVGVPGEPLPSNGSSSPRLSPPQYSHQIQVK
EPEAEEDRRPGPPLGAPNPSTVGPPEDRDLEEDLGGEDMS
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001110825

ORF Size: 2019 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_001110825.1](#), [NP_001104295.1](#)

RefSeq Size: 4020 bp

RefSeq ORF: 2022 bp

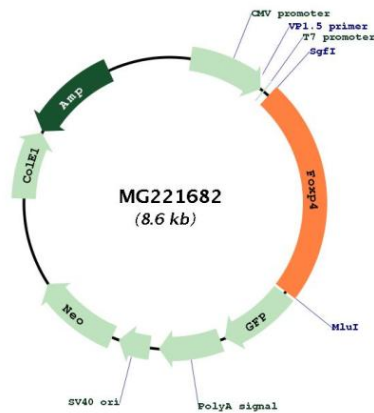
Locus ID: 74123

UniProt ID: [Q9DBY0](#)

Cytogenetics: 17 C

Gene Summary: Transcriptional repressor that represses lung-specific expression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG221682