

Product datasheet for **MC228695**

Foxp2 (NM_001286607) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxp2 (NM_001286607) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxp2
Synonyms:	2810043D05Rik; AI449000; CAG-16; D0Kist7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228695 representing NM_001286607
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGCAGGAATCTGCGACAGAGACAATAAGCAACAGTTCAATGAATCAAAATGGAATGAGCACTTTAA
 GCAGCCAATTAGATGCTGGCAGCAGGGATGGGAGATCAAGTGGTACACAGCTCTGAAGTAAGCACAGT
 GGAGCTGCTGCATCTGCAACAACAGCAGGCTCTCCAGGCAGCAAGACAACCTTTGTTACAGCAGCAAACC
 AGTGGATTGAAATCTCCTAAGAGCAGTGAGAAGCAGAGGCCACTGCAGGTGCCCGTGTGGTGGCCATGA
 TGAATCCCAAGTGATCACCCCTCAGCAGATGCAGCAGATTCTTCAGCAGCAGGTCTGTCTCCTCAGCA
 GCTCCAGGCCCTCCTCCAGCAGCAGCAAGCTGTGATGTTGCAGCAGCAGCAACAGCAGCAGCAGCAACAG
 CAGCAACAGCAGCAGCAGCAGCAACAACAGCAGCAGCAGCAGCAACAGCAACAGCAGCAGCAGCAAC
 AGCAGCAGCAACAGCAACAGCATCCTGAAAGCAAGCAAAAGAGCAGCAGCAGCAACAGCAGCAGCAGCA
 GTTGGCGGCGCAGCAGCTCGTCTCCAGCAGCAGCTTCTCCAAATGCAGCAGCTACAGCAGCAACAACAT
 CTGCTCAGCCTTACAGCGCCAGGGCCTCATCTCCATCCCACCCGGCAAGCAGCCCTTCTGTCCAGTCCG
 TGCTCAAGCTGGCTTAAGTCTGCTGAGATTCAGCAACTATGGAAGAAGTGAAGTGGAGTCCATAGTAT
 GGAAGACAACGGCATCAAGCATGGAGGGCTAGACCTCACGACTAACAATTCCTCCTCGACTACCTCCTCC
 ACCACGTCCAAAGCATCACCCCATCACACATCATTCCATAGTGAACGGACAGTCTTCAGTTCTGAATG
 CAAGGCGGGACAGCTCATACATGAGGAGACTGGGCGCTCGCACACTCTATGGCCATGGAGTCTGCAA
 GTGGCCAGGCTGTGAAAGCATATGTGAAGATTTGGACAGTTTTGAAGCACCTTAACAATGAGCATGCA
 TTGGATGACCGAAGCACTGCCAATGTCGAGTGCAAAATGCAGGTGGTACAGCAGTTAGAAATACAGCTTT
 CTAAGGAACCGAAGCTTTCAAGCGATGATGACCCACTTGACATGCGACCCCTCAGAGCCCAACCATC
 TCCCAAACCTCTAAATCTGGTGTCTAGTGTACCATGTGGAAGAACATGCTGGAGACATCCCCACAGAGC
 TTACCTCAAACCCCTACCACACCAACGGCCCCAGTCACCCGATTACCCAGGGACCCTCTGTAATCACCC
 CAGCCAGTGTGCCAATGTGGGAGCCATACGAAGGCGACATTCAGACAAATACAACATCCCCATGTCATC
 AGAGATTGCCCAAACACTCGAATTTTATAAAAACGCAGATGTTAGACCTCCCTTCACTTATGCAACTC
 ATAAGGCAGGCTATCATGGAGTCATCTGACAGGCAGTTAACACTTAATGAAATTTACAGCTGGTTTACAC
 GGACATTTGCTTACTTCAGGCGGAATGCCGCCACTTGAAGAATGCAGTGCCTATAATCTTAGCCTGCA
 CAAATGTTTTGTCGAGTAGAAAATGTTAAAGGAGCAGTGTGGACTGTGGACGAAGTCAATAACAGAAG
 CGAAGGTCAAAAAGATAACAGGAAGTCCAACCTTAGTAAAAAATACCTACAAGTTTGGGCTATGGAG
 CAGCTCTAAATGCCAGTCTGCAGGCTGCCTTGGCAGAAAGCAGCTTGCCTTTGCTAAGTAACCCCTGGACT
 GATCAATAACGCCTCCAGTGGCCTCCTGCAGGCGTCCACGAAGACCTCAATGGTTCCCTGGACCACATC
 GACAGCAATGGGAACAGCAGTCCGGGTTGCTCACCTCAGCCACACATACATTCAATCCATGTCAAGGAAG
 AACCCGTGATTGCAGAGGATGAAGACTGTCCAATGTCAATTAGTGACAACAGCCAATCACAGTCCGGAGTT
 AGAAGATGACAGAGAGATTGAGGAAGAGCCTTTATCTGAGGACCTGGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001286607

Insert Size: 2082 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001286607.1</u> , <u>NP_001273536.1</u>
RefSeq Size:	6360 bp
RefSeq ORF:	2082 bp
Locus ID:	114142
UniProt ID:	<u>P58463</u>
Cytogenetics:	6 A1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.</p>