

## Product datasheet for **MC228749**

### **Foxp2 (NM\_053242) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Foxp2 (NM_053242) 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:** >MC228749 representing NM\_053242  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGATGCAGGAATCTGCGACAGAGACAATAAGCAACAGTTCAATGAATCAAAATGGAATGAGCACTTTAA  
 GCAGCCAATTAGATGCTGGCAGCAGGGATGGGAGATCAAGTGGTGACACCAGCTCTGAAGTAAGCACAGT  
 GGAGCTGCTGCATCTGCAACAACAGCAGGCTCTCCAGGCAGCAAGACAACCTTTTGTACAGCAGCAAACC  
 AGTGGATTGAAATCTCCTAAGAGCAGTGAGAAGCAGAGGCCACTGCAGGTGCCCGTGTGGTGGCCATGA  
 TGAATCCCAAGTGATCACCCCTCAGCAGATGCAGCAGATTCTTCAGCAGCAGGTCTGTCTCCTCAGCA  
 GCTCCAGGCCCTCCTCCAGCAGCAGCAAGCTGTGATGTTGCAGCAGCAACAACAAGAGTTTTACAAG  
 AAACAGCAAGAACAGTTACATCTTCAGCTTTTGAACAGCAGCAACAGCAGCAGCAGCAACAGCAGCAAC  
 AGCAGCAGCAGCAGCAACAACAGCAGCAGCAGCAGCAACAGCAACAGCAGCAGCAGCAACAGCAGCA  
 GCAACAGCAACAGCATCCTGAAAGCAAGCAAAAGAGCAGCAGCAACAGCAGCAGCAGCAGTGGCG  
 GCGCAGCAGCTCGTCTTCCAGCAGCAGCTTCTCCAAATGCAGCAGCTACAGCAGCAACAACATCTGCTCA  
 GCCTTCAGCGCCAGGGCCTCATCTCCATCCCACCCGCGCAAGCAGCCCTTCTGTCCAGTGGCTGCCTCA  
 AGCTGGCTTAAGTCTGCTGAGATTGCAACTATGAAAGAAGTGACTGGAGTCCATAGTATGGAAGAC  
 AACGGCATCAAGCATGGAGGGCTAGACCTCAGCACTAACAAATTCCTCCTCGACTACCTCCTCCACCACGT  
 CCAAAGCATCACCCATCACACATCATTCCATAGTGAACGGACAGTCTTCAGTTCTGAATGCAAGGCG  
 GGACAGCTCATCATGAGGAGACTGGGGCCTCGCACACTCTCTATGGCCATGGAGTCTGCAAGTGGCCA  
 GGCTGTGAAAGCATATGTAAGATTTTGGACAGTTTTTGAAGCACCTTAAACAATGAGCATGCATTGGATG  
 ACCGAAGCACTGCCAATGTCGAGTGCAAATGCAGGTGGTACAGCAGTTAGAAATACAGCTTTCTAAGGA  
 ACGCGAACGCTTCAAGCGATGATGACCCACTTGACATGCGACCCCTCAGAGCCCAACCATCTCCCAAA  
 CCTCTAAATCTGGTGTCTAGTGTACCATGTGCAAGAACATGCTGGAGACATCCCCACAGAGCTTACCTC  
 AAACCCCTACCACACCAACGGCCCGCAGTACCCCGATTACCCAGGGACCTCTGTAATCACCCACAGCCAG  
 TGTGCCAATGTGGGAGCCATACGAAGGCGACATTGACACAAATACAACATCCCCATGTCATCAGAGATT  
 GCCCAAACTACGAATTTTATAAAAACGCAGATGTTAGACCTCCCTTCACTTATGCAACACTCATAAGGC  
 AGGCTATCATGGAGTCTGACAGGCAGTTAACACTTAATGAAATTTACAGCTGGTTTACACGGACATT  
 TGCTTACTTCAGGCGAATGCCGCCACTTGAAGAATGCAGTGCATATAATCTTAGCCTGCACAAATGT  
 TTTGTTGAGTAGAAAATGTTAAAGGAGCAGTGTGGACTGTGGACGAAGTGAATACCAGAAGCGAAGGT  
 CACAAAAGATAACAGGAAGTCCAACCTTTAGTAAAAATATACCTACAAGTTTGGGCTATGGAGCAGCTCT  
 AAATGCCAGTCTGCAGGCTGCCTTGGCAGAAAGCAGCTTGCCTTTGCTAAGTAACCCTGGACTGATCAAT  
 AACGCCTCCAGTGGCCTCCTGCAGGCCGTCCACGAAGACCTCAATGGTCCCTGGACCACATCGACAGCA  
 ATGGGAACAGCAGTCCGGTTGCTCACCTCAGCCACACATACATTCAATCCATGTCAAGGAAGAACCCTG  
 GATTGCAGAGGATGAAGACTGTCCAATGTCATTAGTGACAACAGCCAATCACAGTCCGGAGTTAGAAGAT  
 GACAGAGAGATTGAGGAAGAGCCTTTATCTGAGGACCTGGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_053242  
**Insert Size:** 2145 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_053242.4</a> , <a href="#">NP_444472.2</a>
<b>RefSeq Size:</b>	6760 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>Gene Summary:</b>	<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 (1) represents the longest transcript. Variants 1 and 2 encode the same isoform (1).</p>