

Product datasheet for **MR226011**

Foxf2 (NM_010225) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxf2 (NM_010225) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxf2
Synonyms:	Fkh20; FREAC2; LUN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226011 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCACCGAGGGCGGCCTCCGCCACCCCGCCGCGCCGCGCCTGCCCACTCCGCCGCGCGTGCA
 GCCCGGCCCGCGCGCTCCAGGCCGCTTGATGAGCCCGCACCCCGCCACCCCTGGAGTCCACTTC
 GTCGTCGTCATCATCTCTGCTCCTGTCCTCGTCTCTTCTAACTCCGTCAGCGCCTCGGCCGT
 GCTTGCAAGAGTGCAGTACGAGCGCGCGGGCGCCGGGAGTGGAGGCACCAAGAAGGCAACCTCGG
 GGCTGCGCGGCCGAGAAGCCTCCTTACTCGTACATCGCGCTCATCGTCATGGCCATCCAGAGCTCGCC
 CAGCAAGCGCCTGACGCTCAGTGAGATCTACCAGTTCTACAGCGCGCTTCCCTTTTTCCGTGGCGCC
 TACCAGGGCTGGAAGAACTCCGTGCGCCACAACCTCTCGTCAACGAGTGCTTCAAGCTGCCAAGG
 GCCTCGGGAGACCTGGTAAGGGCCACTACTGGACCATCGACCCGCCAGGAATTCATGTTTGAGGAGGG
 TTCGTTCCGCGCGGCCGCGCGCTTCCAGCGGAAGTCCAGGCTCTCAAACCCATGTACCATCGCGTG
 GTGAGCGGCTTGGGCTTCCGGGGCTCGCTGCTGCCCCAGGGCTTCGACTTCCAAGCGCCCGCTCGGCGC
 CTCTGGGTTGCCACGGTCAAGGCGGTTATGGTGGCCTCGACATGATGCCCGGGGTATGATACAGGGGC
 GGGTGCTCCGGGCCACGCGCATCCACACCCTCCACCACCACGTCACCCACATGTCGCCCAACCCG
 GGCTCCACCTATATGGCCAGTGCCTGGTCCCGCAGGTCCTGCGGGCGTCCGGTGCAGCGCGGGTGGCG
 GCGGTGGCGGGGACTATGGGCCGACAGCAGCAGCAGCCCTGTGCCCTATCCCCGGCTATGGCAAG
 CGCCATTGAGTGTCACTGCCCTACACTAGCCCTGCGGCACATTGGAGCTCGCTGGCGCTTACCTTAC
 CTCAAGCAGCCGCTGCCCTGACGCCAAGCAGTAATCCCGCGGCTCTGCTGGTCTGCACCCAGCATGT
 CTTCTACTGTTGGAGCAGAGTACTTGACCAGAAGCGCCGCGAGGATCTCTCAGTCCGACTGCCCGG
 TTACCAGCACCCTCACTCCAGTGTGCGACAGGAAAGATTTTCGCTCAATTTCAATGGCATTCTTCT
 TTCACCCCTCCGCTAGTGGCTCTTATTATCACCATCATCACCAGAGCGTGTGCCAAGATATTAAGCCCT
 GTGTTATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226011 protein sequence
 Red=Cloning site Green=Tags(s)

MSTEGPPPPPPRPPAPLRRACSPAPGALQAALMSPPPAATLESTSSSSSSSASCASSSSNSVSASAG
 ACKSAASSGGAGAGSGGTTKATSLRRPEKPPYSYIALIVMAIQSSPSKRLTLSEIYQFLQARFPFFRGA
 YQGWKNSVRHNLSLNECFIKLPKGLGRPGKGHYWTIDPASEFMFEEGSFRRRPRGFRRCQALKPMYHRV
 VSGLGFGASLLPQGFDFQAPPSAPLGCHGQGGYGLDMMPAGYDTGAGAPGHAPHHLHHHHVPHMSPNP
 GSTYMASCPVPAGPAGVAAAAGGGGGDYGPDSSSSPVSPSPAMASAIIECHSPYTSAAHWSSPGASPY
 LKQPPALTPSSNPAASAGLHPSMSSYSLEQSYLHQNAREDLVGLPRYQHHSTPVCDRKDFVLNFGISS
 FHPSASGSYYHHHQSVQCQDIKPCVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_010225

ORF Size: 1341 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_010225.2](#), [NP_034355.2](#)
RefSeq Size: 2366 bp

RefSeq ORF: 1341 bp

Locus ID: 14238

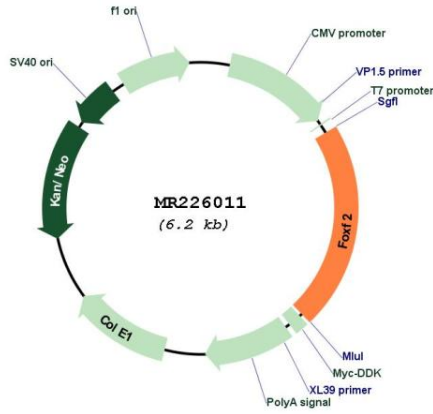
UniProt ID: [O54743](#)

Cytogenetics: 13 A3.2

MW: 46.4 kDa

Gene Summary: Probable transcription activator for a number of lung-specific genes (PubMed:9676429). Mediates up-regulation of the E3 ligase IRF2BPL and drives ubiquitination and degradation of CTNNB1 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226011