

Product datasheet for MR225056

Foxf1 (NM_010426) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxf1 (NM_010426) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxf1
Synonyms:	Al450827; Foxf1a; Freac-1; FREAC1; HFH-8; Hfh8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225056 representing NM_010426 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACCCCGGGCGGGGCCCAAGGCCAAGAAGACCAACGCCGGCGTGC GGCGGCCGAGAAGC
CGCCCTACTCGTACATCGCGCTCATCGTCATGGCTATCCAGAGCTCGCCAGCAAGCGCTGACCCTCAG
CGAGATCTACCAGTTTCTTCAGGCGCGTTCCTTCCGCGGCGCCTACCAGGGCTGGAAGAACTCC
GTGGCCACAACCTGTCGCTCAACGAGTGCTTCATCAAAGTCCCAAGGGCCTCGGGCGACCCGGAAGG
GCCACTACTGGACCATCGATCCGGCTAGCGAGTTTATGTTGAGGAGGGCTCGTTCCGCCGGCGGCCGG
CGGCTTCCGAAGGAAATGCCAGGCGCTCAAGCCTGTGTACAGCATGGTGAACGGGCTGGGCTTCAACCAC
CTCCCCGACACCTACGGCTTCCAGGGCTCCGGAGGCCTCTCGTGC GCGCCCAACAGCCTGGCGCTGGAGG
GCGGCTTGGGCATGATGAATGGCCATTTGGCTGGCAACGTGGACGGCATGGCTTTGCCAGCCACTCGGT
GCCACACCTGCCCTCCAACGGCGGCCACTCGTACATGGGTGGCTGCGGTGGCTCTGCGGCCGGGGAGTAC
CCGACCACGACAGCTCGGTGCCGCTTACCAGCTGTGCGCGCCGGCGCCGGCGGAGTCATGGAGCCG
ACGCCGTTTACTCCAGCTCTGCAGCAGCCTGGCCGCCCGCGGCTCCGCGGCTCTCAACAGCGGGGCTC
CTACATCAAGCAACAGCCTCTGTCCCTTGCAACCCAGCCGCCAACCCCTGTCTGGCAGCATCTCCAGC
CACTCCCTGGAGCAGCCATACCTTCAACAAAACAGTCAACAACGGCCGGCAGAACTGCAAGGCATCCCTC
GGTATCACTCACAGTCGCCAGCATGTGTGACAGAAAGGAGTTTGTCTTCTTTCAATGCCATGGCCTC
TTCTTCTATGCATACAACAGGCGGAGGATCTTACTATCACCAGCAGGTACCTACCAAGACATCAAGCCG
TGTGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR225056 representing NM_010426
Red=Cloning site Green=Tags(s)

MDPAAAGPTKAKKTNAGVRRPEKPPYSYIALIVMAIQSSPSKRLTLSEIYQFLQARFPFFFRGAYQGWNKNS
 VRHNLNLNECFIKLPGKGLRPGKGYHTIDPASEFMFEESFRRRPRGFRRKQALKPVYSMVNGLGFNH
 LPDTYGFQSGGLSCAPNSLALEGLGMMNGHLAGNVDGMALPSHSVPHLPSNGGHSYMGCGGSAAGEY
 PHHDSSVPASPLLPAGAGVMEPHAVYSSAAAWPPAASAALNSGASYIKQQLSPCNPAANPLSGSIST
 HSLEQPYLHQNSHNGPAELQGIIPRYHSQSPSMCDRKEFVFSFNAMASSMHTTGGGSYYHQVQVYQDIKPK
 CVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1458_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010426

ORF Size: 1059 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_010426.1](#), [NP_034556.1](#)

RefSeq Size: 1062 bp

RefSeq ORF: 1137 bp

Locus ID: 15227

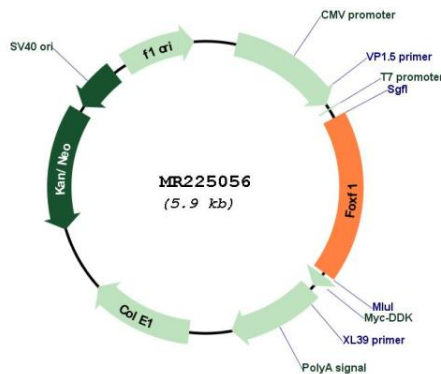
UniProt ID: [Q61080](#)

Cytogenetics: 8 70.31 cM

MW: 40.4 kDa

Gene Summary: Probable transcription activator for a number of lung-specific genes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225056