

Product datasheet for MC212233

Foxe1 (NM_183298) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxe1 (NM_183298) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxe1
Synonyms:	Titf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC212233 representing NM_183298 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGCCGAGAGCGCGCCGCTCCCCGCCGACGCCGAGACGCTGGCGGCCGTGAAGGAAGAGCGCG
GTGAGGCGGGCGGGCGGGGTCGCCGGTCCCGCGGAGGCTGCGGGTCCGGCGCGGGAGGACGGCGACG
CAAGCGCCCCCTGCAGCGGGGAAGCCGCCCTACAGCTACATCGCGCTCATCGCTATGGCCATCGCGCAC
GCGCCCGAGCGCCGCTGACTCTGGCGGCATCTACAAGTTCATCACCAGCGCTTCCCGTTCTACCGCG
ACAACCCCAAGAAGTGGCAGAACAGCATCCGCCACAACCTCACCTCAACGACTGCTTCCCAAGATCCC
GCGCGAGGCGGGCCGCCGGGAAGGGCAATTACTGGGCGCTCGACCCCAACGCCGAGGACATGTTGAA
AGCGGCAGCTTCTGCGCCGCCAAGCGCTTCAAGCGCTCGGACCTGTCCACCTACCCGGCCTACATGC
ACGATGCAGCCGCTGCCGCCGCGCTGCCGCTGCCGCCATCTTCCCGGGCGCCGTGCCTGCCGAAGGCC
GGCTTACCCGGGCGCCGTCTATGCGGGTACGCGCCGCACTCGCCGCGCCTCCGCGGTCTACTACCCC
GCCGCGTCCGCGGGCCCTGCCGGTCTTCGGTGTGGTCCCGAGCGGCCGCTCAGCCCCGATCTGGGCC
CCGCGCGTACGCGCCGGCGGCTCGTGCGCCTTCGCGGCTGCGGCGGGCGGGCGGGCACCGGGAGCTT
CCAGCCGGCGGTGTGCACCGAGCGCGGGTCAACCCCGCCGCTATGCCCGCCCTACGCGGGCCCC
GACGGCGGTACCCGAAGGAGCGAGTGCCTTTCGCCGCTGCTGCGGGCCGCTGGCCGGACCGC
CCTCGCCCCCGGGAGGCGGACGCGCGGCGTGGAGGCCACGGTGGACTTCTACGGGCGCACGTCGCC
GGGCCAGTTCGGAGCGGCGCTGGGACCCTGCTACAATCCCGTGGGCAACTCGGAGCCGGTGGTGGCGGT
GCCTACCACTCCCGCCACGCCACCGCTACCCGGCGGGTGGATCGGTTCTGTCTGCCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_183298
Insert Size:	1116 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).
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_183298.1</u> , <u>NP_899121.1</u>
RefSeq Size:	1116 bp
RefSeq ORF:	1116 bp
Locus ID:	110805
UniProt ID:	<u>Q8R2I0</u>
Cytogenetics:	4 24.68 cM
Gene Summary:	Transcription factor that binds consensus sites on a variety of gene promoters and activate their transcription. Involved in proper palate formation, most probably through the expression of MSX1 and TGFB3 genes which are direct targets of this transcription factor (PubMed:21177256). Also implicated in thyroid gland morphogenesis (PubMed:9697704). May indirectly play a role in cell growth and migration through the regulation of WNT5A expression (By similarity).[UniProtKB/Swiss-Prot Function]