

Product datasheet for MC209836

Foxe3 (NM_015758) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxe3 (NM_015758) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxe3
Synonyms:	dyl; FREAC8; rct
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209836 representing NM_015758 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGATGCGCAAGTCGCTTTCTCGGGCTTCCCGCCTTGCCCTCGCTCACGCCGTCCGGGCCGAGCTGC
CGACGCTGGCGGGAGCCGAACCGGGCGCGAACCGGAGGAAGTGGTGGCGGTGGGGACGCCGAGCCAC
GGCCGTGCCTGGCCCGGGAAGCGACGGCGCGGCCACTACAGCGTGGGAAGCCGCCCTACTCATACATC
GCGCTCATTGCCATGGCCCTGGCGACGCTCCCGCCGCCGTCTAACGCTGGCAGCCATCTACCGCTTCA
TACCGAGCGCTTCGCCCTTCTACCGCGACAGCCCGCGCAAGTGGCAGAACAGCATCCGCCACAACCTCAC
CCTCAACGACTGTTTCGTCAAGGTGCCGCGGAGCCGGGCAATCCGGGCAAGGGCAACTACTGGACGCTC
GATCCCGCGGCCGCTGACATGTTTCGACAACGGTAGCTTCTCGCGCGCCGCAAGCGCTTCAAGCGCGCTG
AGCTGCCCGCACCGCCGCGCGCCGCCCTTCCCCTATGCGCCCTTCCCGCCCCGCCAGCACCCGC
GTCCGCTCCGCCCGCGCGCCTTTCGCGCTGGACAGCCTGTTGGGCTTGACGCTGAGCCGCCGGGACCC
GTGGCGCCCGAGCCGCTTGTGCGCGCGCGCCGACGCCGCTTCCCGCCCTGTGCCGCCGAGCCTCGC
CGCCGCTCTACTCGCCAGCGTCCGAGCGCTGGGGTTACCCGCGCCGCTGCCCGCCAGCCTCTCCTGGC
CTTGGCGGGATCGGCCGCGCGCTCGGGCGCTCGGAGCCGGGAAGCCTACCTGAGACAGCCGGGCTTC
GCGCCGGGGCTGGAGCGCTACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_015758
Insert Size:	867 bp



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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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015758.2 , NP_056573.1
RefSeq Size:	867 bp
RefSeq ORF:	867 bp
Locus ID:	30923
UniProt ID:	Q9QY14
Cytogenetics:	4 D1
Gene Summary:	Transcription factor that controls lens epithelial cell growth through regulation of proliferation, apoptosis and cell cycle (PubMed:10652278, PubMed:10890982). During lens development, controls the ratio of the lens fiber cells to the cells of the anterior lens epithelium by regulating the rate of proliferation and differentiation (PubMed:16199865). Controls lens vesicle closure and subsequent separation of the lens vesicle from ectoderm (PubMed:10652278). Is required for morphogenesis and differentiation of the anterior segment of the eye (PubMed:17064680). Controls the expression of DNAJB1 in a pathway that is crucial for the development of the anterior segment of the eye (By similarity). [UniProtKB/Swiss-Prot Function]