

Product datasheet for **MC208022**

Foxj1 (NM_008240) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxj1 (NM_008240) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxj1
Synonyms:	FKHL-13; HFH-4; Hfh4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC208022 representing NM_008240
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGAGCTGGCTGCGCCTCTGCGGAGCGGGTCCCGGAGAGGAAGCCGGGCCGGAGGGCGGCATGG
 AGGAGCCGGACGCCCTGGATGACAGCCTGACCAGCCTGCAATGGCTGCAGGAATTCTCCATTCTCAACGC
 CAAGGCTCCCACTCTTCCCCAGGAGGCACAGACCCCCACGGCTACCACCAAGTGCCGGGCTTGGTGGCG
 CCCGGGTACCGCTGGCGGCAGACCCTGCCTGCCTTGGGCAGCCGCACACACCCGGCAAGCCACATCGT
 CGTGCACATCTGAAGCGCGCCCCGGGGCTGCAGGCCCGCCCCCTGACGACGTGGACTATGCCACCAA
 CCCACACGTGAAGCCACCCTACTCTATGCCACTCTCATCTGCATGGCCATGCAAGCCAGCAAGGCCACC
 AAGTCACTCTGTGGCCATCTACAAGTGGATCACGGACAACCTTCTGCTACTTCCGCCATGCAGACCCCA
 CCTGGCAGAATTCATCCGCCACAACCTGCTTGAACAAGTGTTCATCAAAGTGCCTCGGGAGAAGGA
 TGAGCCCGGCAAGGGGGTTTCTGGCGCATCGACCCCACTACGCAGAGCGCCTGCTCAGTGGGGCCTTC
 AAGAAGCGGAGGCTGCCCCAGTCCACATCCACCTGCCTTTGCCCGCCAGGCCTCCAGGAACCTAGCG
 CTGCCCTTGGGGTGGGCTCTGACCGTGAACAGGGAGGCCAGCAGCTGCTTCAGGAGTTTGAGGAGGC
 CACAGGGGAGGGGGCTGGGGCACAGGAGAGGGCAGGCTGGGGCATAAGCGAAAGCAGCCGCTGCCAAAG
 AGGGTGGCCAAGTCTGCGGCCCTCCAGCACCTTACTGCTGACCCAGGAGGAGCAGGGTGGAGTGGAAAC
 CACTCAAAGGTAACCTTGGAGTGGGAGCCATCTTTGAGGCTGGCGCACTGGGGGAGGAGCTGAGCTCACT
 GGAGGGTCTGGAGCTAAGCCCCCGCTAAGCCCCAGCTCATGGAGATGGATCTTACAGTCCATGGC
 CGGCACATCAACTGCCCTGCTACCTGGGACCTCCAGCGGAGCAGGCTGCTGACAGCCTGGACTTTGATG
 AGACCTTCTGGCCACATCCTTCTACAGCATCCCTGGGATGAGAGTGGTAGTGGCTGCCTGCCCCAGCA
 ACCCATCTTGAAGCAGGGGATGCCACCCTGGCCGCTGACCTGCAGGACTGGGCCAGTGTGGTGCCTTC
 TTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3459_a02.zip

Restriction Sites: SgfI-MluI

ACCN: NM_008240

Insert Size: 1266 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:

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_008240.3](#), [NP_032266.3](#)

RefSeq Size: 2599 bp

RefSeq ORF: 1266 bp

Locus ID: 15223

UniProt ID: [Q61660](#)

Cytogenetics: 11 81.16 cM

Gene Summary: Transcription factor specifically required for the formation of motile cilia (PubMed:9096351, PubMed:9739041, PubMed:10873152, PubMed:14996907, PubMed:22357932, PubMed:27965440). Acts by activating transcription of genes that mediate assembly of motile cilia, such as CFAP157 (PubMed:27965440). Binds the DNA consensus sequences 5'-HWDTGTTTGTTTA-3' or 5'-KTTTGTTGTTKTW-3' (where H is not G, W is A or T, D is not C, and K is G or T) (PubMed:9096351). Activates the transcription of a variety of ciliary proteins in the developing brain and lung (PubMed:28666954, PubMed:27914912).[UniProtKB/Swiss-Prot Function]