

Product datasheet for **MC209748**

Figla (NM_012013) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Figla (NM_012013) Mouse Untagged Clone
Tag: Tag Free
Symbol: Figla
Synonyms: bHLHc8; FIGalpha
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209748 representing NM_012013
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGATACAGCACCTGCATCCCCAGAGCCCTTCTGGTCACTCCGAGGCTGAGGTGCTGGAGGAGCTGA
TTCAGGCCAGATGGGGCCCTGCCCGCTCGCCGCATCTGTAGGCTCAAGCGCTGCCCTCAGGCGG
CTACTCCACCACGGATGACCTGCATCTGGTGTGGAGCGCAGGCGTGTGGCCAACGCCAAAGAGCGTGAA
CGGATAAAAAATCTCAACCGTGGCTTTGCCAAGCTGAAGGCTCTGGTGGCGTTTCTACCACAGAGCAGGA
AGCCCAGTAAAGTTGATATCCTTAAAGGTGCCACAGAATACATACAGATACTCGGCTGTGTTCTGGAAGA
AGCGAAGGTCTCAGAGAAACAAAGCCCTGAGGAGCAGACCCACAGTGGCAGACCTCTGACCCTCATGTG
TCCTCGACTAGAGAGCTCTGGGAAATGCTACCCAACCTACCAGCTGTGCGAGTGGCTTGAAGAAAGAAG
AGGAGGGCCCTTGGGCGTATGCTGGCCATAGTGAGCCATTGTACAGCTACCATCAGAGCACAGTACCTGA
GACTAGGAGTTACTTCACTCAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012013
Insert Size: 585 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).



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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_012013.2</u> , <u>NP_036143.1</u>
RefSeq Size:	759 bp
RefSeq ORF:	585 bp
Locus ID:	26910
UniProt ID:	<u>O55208</u>
Cytogenetics:	6 C3
Gene Summary:	Germ-line specific transcription factor implicated in postnatal oocyte-specific gene expression. Plays a key regulatory role in the expression of multiple oocyte-specific genes, including those that initiate folliculogenesis and those that encode the zona pellucida (ZP1, ZP2 and ZP3) required for fertilization and early embryonic survival. Essential for oocytes to survive and form primordial follicles. The persistence of FIGLA in adult females suggests that it may regulate additional pathways that are essential for normal ovarian development. Binds to the E-box (5'-CANNTG-3') of the ZPs (ZP1, ZP2, ZP3) promoters.[UniProtKB/Swiss-Prot Function]