

Product datasheet for **RG212562**

FIGLA (NM_001004311) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FIGLA (NM_001004311) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FIGLA
Synonyms:	BHLHC8; FIGALPHA; POF6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212562 representing NM_001004311 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCCGCGCCCGCGTCTAGATCCCCGCGCCGCGCCCGCCCGCTCCTGGGCACCCCGCAAGCCG
AGGTGCTGGAGGACGTGTTGCGGGAGCAGTTCGGGCCGCTGCCCCAGCTGGCCGCTGTCTGCCGGCTCAA
GCGGCTGCCCTCGGGCGGCTACTCGTCCACTGAAAACCTCCAGTTGGTGTGGAGCGCGCGTGTGGCC
AACGCCAAGGAGCGTGAGCGGATAAAAAATCTCAACCGTGGTTTTGCCAGATTGAAGGCACCTGTGCCAT
TTCTTCCCAAAGCAGGAAGCCAGCAAAGTTGATATCCTTAAAGGTGCGACTGAATATATACAGTTTCT
CAGTGATCTTTTGAAGGAGCCAAAGACTCAAAGAAACAAGCCAGATGAGCAGAGCTATAGTAACAAC
ACTTCTGAATCACATACATCCTCGCAAGACAGCTGTCAAGAAACATCACCCAACATATCAGCTGTGCTT
TCGGCTTGAAGAATGAAGAGGAAGGGCCTTGGGCAGATGGTGGCAGTGGTGGAGCCAGCACATGCTTGTGC
CCACAGTGTGATGTCTACGACTGAAATTATCTCCCAACCAGAAGTCTGGATAGATTCCAGAAAGTAGAA
CTGCTGAGTCACAGACTTCCACAAGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212562 representing NM_001004311
 Red=Cloning site Green=Tags(s)

MDPAPGVLDPRAAPPALLGTPQAEVLEDVLRQFGPLPQLAAVCRLKRLPSGGYSSTENLQLVLERRRVA
 NAKERERIKNLNRGFARLKALVPFLPQSRKPSKVDILKGATEYIQVLSDLLEGAKDSKKQDPDEQSYSNN
 TSESHTSSARQLSRNITQHISCAFGLNKEEGPWADGGSGEPAHACRHSVMSTTEIISPTRSLDRFPEVE
 LLSHRLPQV

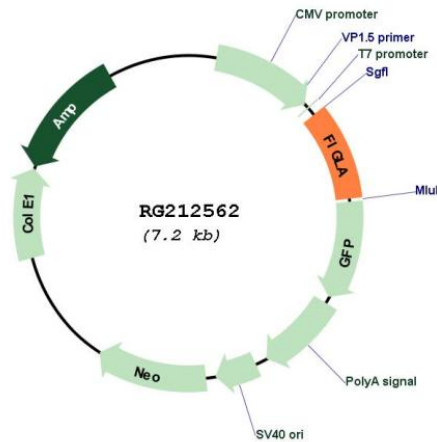
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004311

ORF Size: 657 bp

OTI Disclaimer:	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:	<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:	NM_001004311.1 , NP_001004311.1
RefSeq Size:	724 bp
RefSeq ORF:	660 bp
Locus ID:	344018
UniProt ID:	Q6QHK4
Cytogenetics:	2p13.3
Gene Summary:	This gene encodes a protein that functions in postnatal oocyte-specific gene expression. The protein is a basic helix-loop-helix transcription factor that regulates multiple oocyte-specific genes, including genes involved in folliculogenesis and those that encode the zona pellucida. Mutations in this gene cause premature ovarian failure type 6. [provided by RefSeq, Sep 2009]