OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG223589

Zp3 (NM_011776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zp3 (NM_011776) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zp3
Synonyms:	Zp-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG223589 representing NM_011776
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGTCAAGCTATTTCCTCTTCCTTTGTCTCCTGCTGTGTGGAGGCCCCGAGCTGTGCAATTCCCAGA
CTCTGTGGCTTTTGCCGGGTGGAACTCCCACCCCAGTGGGGTCCTCATCACCTGTGAAGGTGGAGTGTCT
GGAAGCTGAACTAGTGGTGACTGTCAGTAGAGACCTTTTTGGCACGGGGAAGCTGGTGCAGCCCGGGGAC
CTCACCCTTGGCTCAGAGGGTTGTCAGCCCCGGGTGTCCGTGGATACCGACGTGGTCAGGTTCAACGCCC
AGTTGCACGAGTGCAGCAGCAGGGTGCAGATGACGAAAGATGCCCTGGTGTACAGCACCTTCCTACTCCA
CGACCCTCGCCCTGTGAGTGGCCTGTCCATCCTCAGGACTAACCGTGTGGAGGTACCCATTGAGTGCCGA
TACCCCAGGCAGGGCAATGTGAGCAGCCACCCTATCCAGCCCACCTGGGTTCCCTTCAGAGCCACTGTGT
CCTCAGAGGAGAAACTGGCTTTCTCTCTTCGCCTGATGGAGGAGAACTGGAATACTGAGAAATCGGCTCC
CACCTTCCACCTGGGAGAGGTAGCCCACCTCCAGGCAGAAGTCCAGACTGGAAGCCACCTGCCGCTGCAG
CTGTTTGTGGACCACTGCGTGGCCACGCCTTCACCTTTGCCAGACCCGAACTCCTCCCCCTATCACTTCA
TCGTGGACTTCCACGGTTGCCTTGTGGATGGTCTATCTGAGAGCTTTTCGGCATTTCAAGTCCCCAGACC
CCGGCCAGAGACTCTCCAGTTCACGGTGGATGTATTCCATTTTGCCAACAGCTCCAGAAATACGCTCTAC
ATCACCTGCCATCTCAAAGTCGCGCCAGCTAACCAGATCCCCGATAAGCTCAACAAAGCCTGTTCGTTCA
ACAAGACTTCCCAGAGTTGGTTGCCAGTAGAGGGTGATGCTGACATCTGTGATTGCTGCAGCCATGGCAA
CTGTAGTAATTCAAGCTCTTCACAGTTCCAGATCCATGGACCCCGCCAGTGGTCCAAGCTAGTTTCTCGA
AACCGCAGGCACGTGACCGATGAAGCTGATGTCACTGTAGGGCCCCTGATATTCCTTGGAAAGGCCAACG
ACCAGACTGTGGAAGGCTGGACTGCTTCTGCTCAAACCTCTGTGGCTCTTGGGTTAGGCCTGGCCACAGT
GGCATTCCTGACCCTGGCAGCTATAGTCCTTGCTGTCACCAGGAAGTGTCACTCCTCTTCCTACCTTGTA
TCCCTTCCGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

>MG223589 representing NM_011776
Red=Cloning site Green=Tags(s)

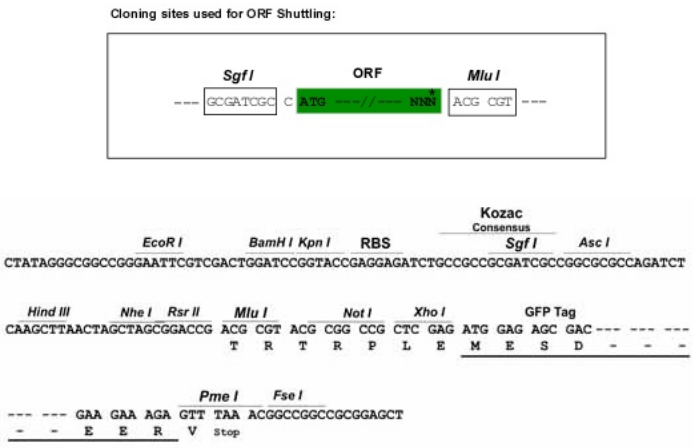
MASSYFLFLCLLLCGGPELCNSQTLWLLPGGTPTPVGSSSPVKVECLEAELVVTVSRDLFGTGKLVQPGD
LTLGSEGCQPRVSVDTDVVRFNAQLHECSSRVQMTKDALVYSTFLLHDPRPVSGLSILRTNRVEVPIECR
YPRQGNVSSHPIQPTWVPFRATVSSEEKLAFSLRLMEENWNTEKSAPTFHLGEVAHLQAEVQTGSHLPLQ
LFVDHCVATPSPLPDPNSSPYHFIVDFHGCLVDGLSESFSAFQVPRPRPETLQFTVDVFHFANSSRNTLY
ITCHLKVAPANQIPDKLNKACSFNKTSQSWLPVEGDADICDCCSHGNCSNSSSSQFQIHGPRQWSKLVSR
NRRHVTDEADVTVGPLIFLGKANDQTVEGWTASAQTSVALGLGLATVAFLTLAAIVLAVTRKCHSSSYLV
SLPQ

TRTRPLE - GFP Tag - V

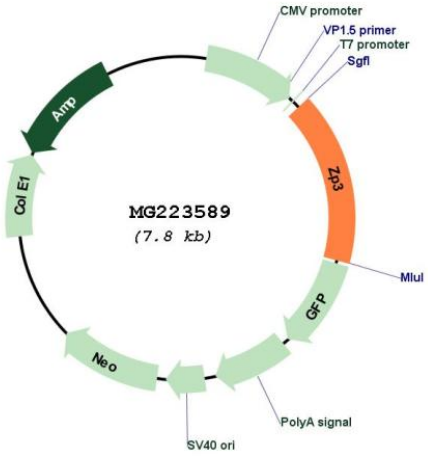
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_011776

ORF Size:	1272 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:	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_011776.1, NP_035906.1
RefSeq Size:	1317 bp
RefSeq ORF:	1275 bp
Locus ID:	22788
UniProt ID:	P10761
Cytogenetics:	5 75.62 cM
Gene Summary:	The mammalian zona pellucida, which mediates species-specific sperm binding, induction of the acrosome reaction and prevents post-fertilization polyspermy, is composed of three to four glycoproteins, ZP1, ZP2, ZP3, and ZP4. ZP3 is essential for sperm binding and zona matrix formation.[UniProtKB/Swiss-Prot Function]