

## Product datasheet for **RG227436**

### ZCCHC18 (NM\_001143978) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZCCHC18 (NM_001143978) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZCCHC18
Synonyms:	PNMA7B; SIZN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227436 representing NM_001143978 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTAGCATCACTGCGTGTGGTAAACAGCAGGCAGCAGAATGCACCTTTGCCGCTTGGGCCATT  
CCATGTTGAGGTCTCTGGGGAGGAGTCTCTGTCTTTAGTGGTCAAATGGCAGAGAGAAACATGAAGTT  
GTTCTCAGGAAGAGTGGTCCAGCCAGGGAAAGAAACCTTTGAAAACCTGGCTGATCCAAGTCAATGAG  
GTCCTGCCAGATTGGAGTATGTCTGAGGAGGAAAACTCAAGCGCTTGATGAAAACACTTAGGGGCCCTG  
CCCGGGAGGTCATGCGTTTGCTTCAGGGCGCCAACCCCAACCTAAGTGTAGCAGATTTCTTGCGGGCAAT  
GAAATTGGTGTGGGGAGTCTGAAAGCAGTGTGACTGCCCATGGTAAATTTTTAACACCTGCAGGCA  
CAAGGGGAGAAAGCCTCCCTTTATGTGATCCGTTTAGAGGTGCAGCTCCAGAATGCTATTCAGGCAGGCA  
TCCTAGCTGAGAAAGATGCAAACAGACTCGCTTGCAACAGCTTCTTTAGGCGCTGAGCTGAATAGGGA  
CCTGCGCTTCAGGCTTAAGCATCTTCTCAGGATGTATGCAAATAAGCAGGAGCGGCTTCCCAATTCCTG  
GAGTTAATCAAGATGATAAGGGAGGAAGAGGATTGGGATGATGCTTTTATAACGGAAGCGGCCGAAAA  
GGTCTGAGCCAATAATGGAGAGGGCAGCCAGCCCTGTGGCATTTCAGGGCGCCAGCCAATAGCAATCAG  
CAGTGTGACTGTAACCTGCAACGTGATAGAAATAGATGATACCCTTGATGACTCTGATGAGGATGTGATC  
CTGGTGGTGTCTGTACCCTTCACTGACACCTACAGGTGCCCTCCCTTCAGAGGAAGAGCCAGACCTC  
TGATCAAGTGTGTTATTGATCCCCCAACAATTCTGGGGCTCAGTCTCTTTCTACCAGTGGTGGTTC  
TGGGTATAAGAATGATGTCCTGGGAATATTCGTAGAGCCAGGAAGCGAAAAATACACAACCCGCTGTTCA  
TATTGTGGGGAGGAGGGCCACTCAAAGAAACCTGTGACAATGAGAGCAACAAGGCCAGGTTTTGAGA  
ATCTGATCATACCCTGCAGGAGCTGACACATACAGAGGAGAGGTCAAAGAGGTCCCTGGAGAACACAG  
TGATGCTTCTGAGCCACAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG227436 representing NM\_001143978  
Red=Cloning site Green=Tags(s)

MASITACVGNRQQNAPLPPWAHSMRLSLGRSLCPLVVKMAERNMKLFSGRVVP AQGKETFENWLIQVNE  
 VLPDWSMSEEEKLKRLMKTLRGPAREVMRLLQAANPNLSVADFLRAMKLVFGESESVTAHGKFFNTLQA  
 QGEKASLYVIRLEVQLQNAIQAGILA EK DANQTRLQQLLLGAELNRDLRFRLKHLRLMYANKQERLPNFL  
 ELIKMIREEEDWDDAFIKRKRPKRSEPI MERAASPVAFQGAQPIA ISSADCNCNVIEIDDTLDDSDDEDVI  
 LVVSLYPSLTPTGAPPFRGRARPLDQVLVIDSPNNSGAQLSTSGSGYKNDGPGNIRRARKRKYTTTRCS  
 YCGEEGHSKETCDNESNKAQVFENLIITLQELTHTEERSKEVPGEHSDASEPQ

TRTRPLE - GFP Tag - V

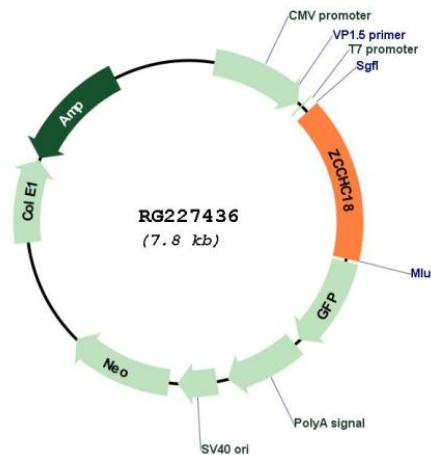
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001143978

<b>ORF Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001143978.1</a> , <a href="#">NP_001137450.1</a>
<b>RefSeq Size:</b>	3055 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	644353
<b>UniProt ID:</b>	<a href="#">P0CG32</a>
<b>Cytogenetics:</b>	Xq22.2