

## Product datasheet for **RG223860**

### REG3A (NM\_138938) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** REG3A (NM\_138938) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** REG3A  
**Synonyms:** HIP; HIP/PAP; INGAP; PAP; PAP-H; PAP1; PBCGF; REG-III; REG3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG223860 representing NM\_138938  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGCCTCCCATGGCCCTGCCAGTGTATCTTGGATGCTGCTTCTGCCTCATGCTGCTGTCTCAGG  
 TTCAAGGTGAAGAACCCAGAGGAACTGCCCTCTGCACGGATCCGCTGTCCAAAGGCTCAAGGCCTA  
 TGGCTCCACTGCTATGCCTTGTGTTTGTACCAAAATCCTGGACAGATGCAGATCTGGCCTGCCAGAAG  
 CGGCCCTCGAAACCTGGTGTCTGTGCTCAGTGGGCTGAGGGATCCTTCGTGCTCCTCCCTGGTGAAGA  
 GCATTGGTAACAGCTACTCATACTGCTGGATTGGCTCCATGACCCACACAGGGCACCGAGCCCAATGG  
 AGAAGGTTGGGAGTGGAGTAGCAGTGATGTGATGAATTACTTTGCATGGGAGAGAAATCCCTCCACCATC  
 TCAAGCCCGGCCACTGTGCGAGCCTGTGAGAAGCACAGCATTCTGAGGTGAAAAGATTATACTGTA  
 ATGTGAGGTTACCCTATGCTGCAAGTTCACTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG223860 representing NM\_138938  
 Red=Cloning site Green=Tags(s)

MLPPMALPSVSWMLLSCLMLLSQVQGEEPQRELPSARIRCPKGSKAYGSHCYALFLSPKSWTDADLACQK  
 RPSGNLVSVLGAEGSFVSSLVKSIGNSYSYVWIGLHDPTQGTEPNGEWESSSDVMNYFAWERNPSTI  
 SSPGHCASLSRSTAFLRWKDYNCNVRLPYVCKFTD

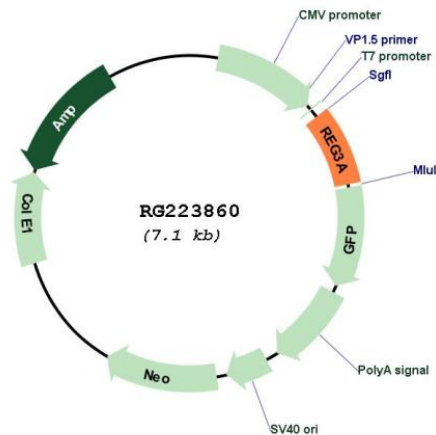
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_138938

**ORF Size:** 525 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.

<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>	<u><a href="#">NM_138938.2</a></u> , <u><a href="#">NP_620355.1</a></u>
<b>RefSeq Size:</b>	1002 bp
<b>RefSeq ORF:</b>	528 bp
<b>Locus ID:</b>	5068
<b>UniProt ID:</b>	<u><a href="#">Q06141</a></u>
<b>Cytogenetics:</b>	2p12
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	This gene encodes a pancreatic secretory protein that may be involved in cell proliferation or differentiation. It has similarity to the C-type lectin superfamily. The enhanced expression of this gene is observed during pancreatic inflammation and liver carcinogenesis. The mature protein also functions as an antimicrobial protein with antibacterial activity. Alternate splicing results in multiple transcript variants that encode the same protein.[provided by RefSeq, Nov 2014]