

Product datasheet for SC309102

REG3A (NM_138937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	REG3A (NM_138937) Human Untagged Clone
Tag:	Tag Free
Symbol:	REG3A
Synonyms:	HIP; HIP/PAP; INGAP; PAP; PAP-H; PAP1; PBCGF; REG-III; REG3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309102 representing NM_138937. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGCTGCCTCCCATGGCCCTGCCAGTGTATCTTGGATGCTGCTTTCCTGCCTCATGCTGCTGTCTCAG
GTTCAAGTGGAAGAACCCAGAGGGAAGTCCCTCTGCACGGATCCGCTGTCCCAAGGCTCCAAGGCC
TATGGCTCCCACTGCTATGCCTTGTTTTGTACCAAAATCCTGGACAGATGCAGATCTGGCCTGCCAG
AAGCGGCCCTCTGGAACTGGTGTCTGTGCTCAGTGGGCTGAGGGATCCTTCGTGTCTCCCTGGTG
AAGAGCATTGGTAACAGCTACTCATACTGCTGGATTGGGCTCCATGACCCACACAGGGCACCGAGCCC
AATGGAGAAGTTGGGAGTGGAGTAGCAGTGTGATGAATTACTTTGCATGGGAGAGAAATCCCTCC
ACCATCTCAAGCCCGGCCACTGTGCGAGCCTGTGAGAGACACAGCATTCTGAGGTGGAAAGATTAT
AACTGTAATGTGAGGTTACCCTATGTCTGCAAGTTCAGTACTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_138937
Insert Size:	528 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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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_138937.2</u>
RefSeq Size:	807 bp
RefSeq ORF:	528 bp
Locus ID:	5068
UniProt ID:	<u>Q06141</u>
Cytogenetics:	2p12
Protein Families:	Druggable Genome, Secreted Protein
MW:	19.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>