

Product datasheet for **RG223733**

REG3G (NM_001008387) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: REG3G (NM_001008387) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: REG3G
Synonyms: LPPM429; PAP-1B; PAP1B; PAP IB; PAPIB; REG-III; REG III; UNQ429
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG223733 representing NM_001008387
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCTCCCATGGCCCTGCCAGTGTGCTCCTGGATGCTGCTTTCCTGCCTCATTCTCCTGTGTCAGG
TTCAAGGTGAAGAAACCCAGAAGGAAGTCCCTCTCCACGGATCAGCTGTCCAAAGGCTCAAGGCCTA
TGGCTCCCCTGCTATGCCTTGTGTTTGTACCAAAATCCTGGATGGATGCAGATCTGGCTTCCAGAAG
CGGCCCTCGAAAAGTGGTGTCTGTGCTCAGTGGGGCTGAGGGATCCTTCGTGCTCCTCCCTGGTGAGGA
GCATTAGTAACAGCTACTCATACATCTGGATTGGGCTCCATGACCCACACAGGGCTCTGAGCCTGATGG
AGATGGATGGGAGTGGAGTAGCACTGATGTGATGAATTACTTTGCATGGGAGAAAAATCCCTCCACCATC
TTAAACCCTGGCCACTGTGGGAGCCTGTCAAGAAGCACAGGATTTCTGAAGTGGAAAAGATTATACTGTG
ATGCAAAGTTACCCTATGTCTGCAAGTTCAAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223733 representing NM_001008387
Red=Cloning site Green=Tags(s)

MLPPMALPSVSWMLLSCLILLCQVQGEETQKELPSPRISCPKGSKAYGSPCYALFLSPKSWMDADLACQK
RPSGKLVSVLSGAEGSFVSSLVRSISNSYSYIWIWGLHDPTQGSEPDGDGWEWSSTDMVNYFAWEKNPSTI
LNPGHCGSLSRSTGFLKWKDYNCDAKLPYVCKFKD

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001008387

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.

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_001008387.1](#), [NP_001008388.1](#)

RefSeq Size: 947 bp

RefSeq ORF: 528 bp

Locus ID: 130120

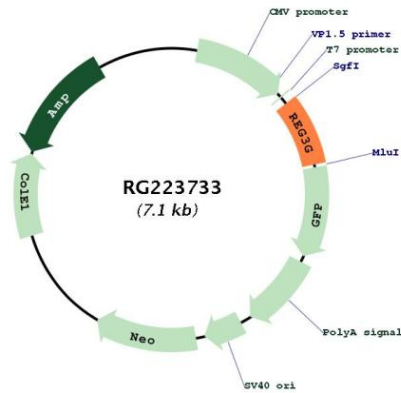
UniProt ID: [Q6UW15](#)

Cytogenetics: 2p12

Protein Families: Secreted Protein

Gene Summary: This gene encodes a member of the regenerating islet-derived genes (REG)3 protein family. These proteins are secreted, C-type lectins with a carbohydrate recognition domain and N-terminal signal peptide. The protein encoded by this gene is an antimicrobial lectin with activity against Gram-positive bacteria. Alternative splicing results in multiple transcript variants encoding multiple isoforms. [provided by RefSeq, Nov 2014]

Product images:



Circular map for RG223733