

Product datasheet for **RR215955**

Reg3a (NM_172077) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Reg3a (NM_172077) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Reg3a
Synonyms: Pap2; PapII
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR215955 representing NM_172077
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCTCGTCTGTCCTTCAACAATGTGTCCTGGACGCTGCTCTACTACCTGTTCATATTTTCAGGTAC
GAGGTGAAGACTCCAGAAGGCAGTGCCCTCTACACGAACCAGCTGCCCATGGGCTCCAAGGCTTATCG
TTCTTACTGCTATACCTTGGTCACGACACTCAAATCCTGGTTTCAAGCAGATCTGGCCTGCCAGAAGAGA
CCTTCAGGACACCTTGTGTCTATTCTTAGTGGAGGTGAGGCTTCCTTTGTGTCTCCCTGGTGACAGGCA
GAGTGAACAACAACCAAGACATCTGGATTGGGCTCCATGATCCAACAATGGGTCAACAACCAATGGAGG
TGGATGGGAGTGGAGTAACCTCTGACGACTGAATTATCTCAACTGGGATGGGATCCTTCCTCTACTGTC
AACCGTGGTAACCTGTGGCAGTCTAACAGCTACCTCGGAGTTTCTGAAGTGGGAGACCATCACTGTGATG
TGAATTACCTTTTGTCTGCAAGTTCAAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215955 representing NM_172077
Red=Cloning site Green=Tags(s)

MLPRLSFNNVSWTLLYYLFIQVRGEDSQKAVPSTRTSCPMGSKAYRSYCYTLVTTLKSWFQADLACQKR
PSGHLVLSILSGGEASVSSLVTGRVNNNQDIWIGLHDPMTGQQPNGGWESNSVDVLYLNWDGDPSTV
NRGNCGLTATSEFLKWGDHHCDELFPVCKFKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_172077

ORF Size: 522 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_172077.2](#), [NP_742074.2](#)

RefSeq Size: 907 bp

RefSeq ORF: 525 bp

Locus ID: 171162

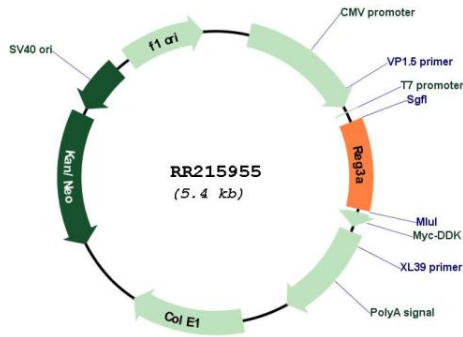
UniProt ID: [P35231](#)

Cytogenetics: 4q33

MW: 19.5 kDa

Gene Summary: lectin-related secretory protein; overexpressed during the acute phase of pancreatitis [RGD, Feb 2006]

Product images:



Circular map for RR215955