

Product datasheet for **RR204927**

Pea15 (NM_001013231) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pea15 (NM_001013231) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pea15
Synonyms: Pea15a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR204927 representing NM_001013231
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGAGTACGGGACTCTCCTTCAGGACCTGACCAACAACATCACCCTTGAAGATCTGGAACAGCTCA
AGTCAGCCTGCAAGGAGGACATCCCCAGTGAGAAGAGTGAAGAGATCACTACAGGCAGTGCCTGGTTTAG
CTTCCTGGAGAGCCACAACAAGCTGGACAAAGACAACCTCTCCTACATTGAGCACATCTTTGAGATCTCC
CGCCGTCCTGACCTACTACGATGGTGGTTGACTACAGAACCCGTGTGCTGAAGATCTCTGAGGAGGATG
AGCTGGACACCAAGCTAACCCGTATCCCCAGCGCCAAGAAGTACAAGACATTATCCGGCAGCCCTCTGA
GGAAGAAATCATCAAATTGGCTCCCCACCAAAGAAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204927 representing NM_001013231
 Red=Cloning site Green=Tags(s)

MAEYGTLLQDLTNNITLEDLEQLKSACKEDIPSEKSEEITTSWAFSFLSHNKLDKDNLSYIEHIFEIS
 RRPDLLTMVVDYRTRVLKISEEDELDTKLTRIPSAKKYKDIIRQPSEEEI IKLAPPPKKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

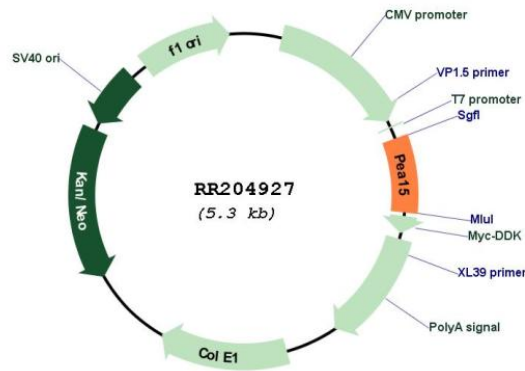


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Cloning Scheme:



Plasmid Map:



ACCN:

NM_001013231

ORF Size:

390 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:	<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:	NM_001013231.1 , NP_001013249.1
RefSeq Size:	2355 bp
RefSeq ORF:	393 bp
Locus ID:	364052
UniProt ID:	Q5U318
Cytogenetics:	13q24
MW:	15 kDa
Gene Summary:	Blocks Ras-mediated inhibition of integrin activation and modulates the ERK MAP kinase cascade. Inhibits RPS6KA3 activities by retaining it in the cytoplasm. Inhibits both TNFRSF6- and TNFRSF1A-mediated CASP8 activity and apoptosis. Regulates glucose transport by controlling both the content of SLC2A1 glucose transporters on the plasma membrane and the insulin-dependent trafficking of SLC2A4 from the cell interior to the surface (By similarity). [UniProtKB/Swiss-Prot Function]