

Product datasheet for **RN204927**

Pea15 (NM_001013231) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pea15 (NM_001013231) Rat Untagged Clone
Tag: Tag Free
Symbol: Pea15
Synonyms: Pea15a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204927 representing NM_001013231
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGAGTACGGGACTCTCCTTCAGGACCTGACCAACAACATCACCCTTGAAGATCTGGAACAGCTCA
AGTCAGCCTGCAAGGAGGACATCCCCAGTGAGAAGAGTGAAGAGATCACTACAGGCAGTGCCTGGTTTAG
CTTCCTGGAGACCACAACAAGCTGGACAAAGACAACCTCTCCTACATTGAGCACATCTTTGAGATCTCC
CGCCGTCCTGACCTACTCACGATGGTGGTTGACTACAGAACCCGTGTGCTGAAGATCTCTGAGGAGGATG
AGCTGGACACCAAGCTAACCCGTATCCCCAGCGCCAAGAAGTACAAGACATTATCCGGCAGCCCTCTGA
GGAAGAAATCATCAAATTGGCTCCCCACCAAAGAAGGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001013231

Insert Size: 393 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).

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).



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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_001013231.1](#), [NP_001013249.1](#)

RefSeq Size: 2355 bp

RefSeq ORF: 393 bp

Locus ID: 364052

UniProt ID: [Q5U318](#)

Cytogenetics: 13q24

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]