

Product datasheet for **RN204421**

Pes1 (NM_001044228) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pes1 (NM_001044228) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pes1
Synonyms:	MGC125075
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204421 representing NM_001044228
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGAGGTCTGAAAAGAAGAAGTATGAACGAGGCTCTGCCACCAATTATATCACGAGAAACAAGCTC
 GGAAGAAGCTGCAGCTGAGCCTGCCTGATTTTCAGGCGGCTGTGCATCCTGAAAGTATTTATCCTCATGA
 ACCCAAGCATAAGAAGAAAGTTAACAAGGGTCCACAGCAGCCGAACATTTTACCTTATCAAAGATATT
 AAATTCCTCCTCCATGAACCCATCGTCAACAAGTCCGAGAGTACAAGGTGTTTGTCCGGAAGCTCCGCA
 AAGCCTATGGGAAGAGCGAGTGAATGTGTAGAACGCCCAAGGACAATAAACCCAGCTACAACTGGA
 CCACATTGTCAAGGAGCGGTACCCACATTTATCGATGCGTTGCGTGACCTCGATGATGCCCTGTCCATG
 TGCTTCTCTTCCACCTTCCCTCGGACGGGCAAGTGCCACGTGCAGACCATCCAGCTGTGCCGCCGCC
 TCACCGTGGAGTTCATGCACTACGTATTGCTGCCGAGCCCTGCGCAAGGTCTTCTGTCCATCAAAGG
 CATCTACTATCAGGCTGAGGTGCTGGGTGAGCCATCGTGTGGATTGCACCTACGCTTTCTCCCATGAT
 CATCCAACAGATGTGGACTACAGAGTCATGGCCACCTTCACTGAGTTCTATACCACTCTCCTGGGCTTCG
 TCAACTCCGCTCTACCACTCACTCAACCTTCACTACCCACCCAAGATTGAAAGTCAAGCCCAAGCAGA
 GATGAAGGTGACGAGGACACATATGCATTGGATTCCGAGAGCTCTATGGAGAACTGGCTGCCCTCAGT
 GCCAGCTGGCCCGAGTGGTGGTGCCTGCTGTAGAGGAGGCTGAGGCTGATGAGTTTCCCACTGACGGGG
 AAGTGACAGCACAGGAGGAAGATCGAAGGAAAGAGCTGGAGGCTCAGGAAAAACACAAGAAGCTCTTTGA
 AGGCCTGAAGTTCTTCTGAACCGAGAGGTGCCCGTGAAGCGTTGGCCTTCATCATCAGGAGTTTTGGT
 GGGGATGATCCTGGGACAAGTCTTTGTGCATTGGAGCCACATGACAGCACAGACTCTGGCATCACCC
 ACCAGATTGTTGATCGGCCGGGCAGCAAACCCCATCATTGGCAGGTAACGTACAGCCCAAGTGGGT
 GTTTGACTGTGTGAATGCCCGACTCCTCCTCCCTGTGGCAGAGTACTTCCCTGGGGTGCAGCTGCCCCCA
 CACCTTTCACCTTCGTGCTGTGAGAAGGAAGGAGATTACATTCCCCTGAGAAGCTGAAGCTCCTGGCTT
 TGCAGCGGGGAGAAGACCAGGAAACTTGAAGAGGAAGAGGAAGACGAGGATGATGAAGGCGATGACAG
 CGAAGGTGACGGTGTGTTGAGTGGAAAACGAGGAGGAAGTGTGGAAGCTGAGTCAGAGGAGGAGGAG
 GAGGCGCACCTGTGAGCCTTGGAGCAGCAGAGGCTGGGAGGGAAGAAGCCCAAGTTATGGCCGGCACTG
 TGAAGCTGGAAGACAGGCAGCGGCTGGCCAGGAGGAAGAAAGTGAAGCAAGCGCTGGCCATCATGAT
 GATGAAGAAGCGAGAGAAGTACCTTTATCAAAAGATCATGTTTGGCAAGCGGCGAAAATCCGAGAGGCC
 AACAGCTTGAGAGAAGAGGAAAGCCATGACGACGCTGTGAGGTCTGAGAAAAAGGCCAAGAGGACAA
 GACCTGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001044228
- Insert Size:** 1761 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).

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_001044228.1](#), [NP_001037693.1](#)

RefSeq Size: 2112 bp

RefSeq ORF: 1761 bp

Locus ID: 289740

UniProt ID: [Q3B8N8](#)

Cytogenetics: 14q21

Gene Summary: Component of the PeBoW complex, which is required for maturation of 28S and 5.8S ribosomal RNAs and formation of the 60S ribosome.[UniProtKB/Swiss-Prot Function]