

Product datasheet for **RR214958**

Rpl22 (NM_031104) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rpl22 (NM_031104) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rpl22
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214958 representing NM_031104
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCCTGTGAAAAAGCTTGTGGCGAAGGGGGGCAAAAAAAGAAGCAGGTTTTGAAGTTCACCCTTG
ACTGCACTCACCTGTAGAAGATGGAATCATGGATGCTGCCAATTTTGGCAGTTCCTCCAGGAGAGGAT
CAAGGTGAACGGAAAGCTGGTAACCTTGGCGGAGGGTTGTGACCATCGAGCGGAGCAAGAGCAAGATC
ACTGTCACTTCCGAGGAGCCTTCTCCAAAAGGTATTTGAAATATCTACCAAAAAATATTTGAAGAAGA
ACAACCTCCGAGACTGGCTGCGCGTCGTTGCCAACAGCAAGGAGAGCTACGAGCTGCGCTACTTCCAGAT
CAACCAGGACGAGGAGGAGGAGGACGAGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214958 representing NM_031104
Red=Cloning site **Green**=Tags(s)

MAPVKKLVAKGGKKKQVLKFTLDCTHPVEDGIMDAANFEQFLQERIKVNGKAGNLGGVVTIERSKSKI
TVTSEEPFSKRYLKYLTKKYLKKNLRLDWRVANSKESYELRYFQINQDEEEEEDED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	<u>NM_031104.1</u> , <u>NP_112366.1</u>
RefSeq Size:	465 bp
RefSeq ORF:	387 bp
Locus ID:	81768
UniProt ID:	<u>P47198</u>
Cytogenetics:	5q36
MW:	14.8 kDa
Gene Summary:	60S ribosomal subunit protein [RGD, Feb 2006]