

Product datasheet for **RR214673**

Rps28 (NM_001105730) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rps28 (NM_001105730) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rps28
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214673 representing NM_001105730
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACACGAGTCGCGTGCAGCCCATCAAGCTGGCTAGGGTAACTAAAGTCTGGGCAGGACCGGATCGC
AGGGACAGTGCACGCAGGTGCGAGTGAATTTATGGATGACACCAGCCGCTCTATCATCCGAAACGTCAA
AGGCCCTGTTGAGAGGGTGATGTGCTCACCTGTTGGAGTCAGAAAGAGAAGCTCGGAGTTGCGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214673 representing NM_001105730
Red=Cloning site **Green**=Tags(s)

MDTSRVQPIKLARVTKVLGRTGSQGQCTQVRVEFMDDTSRSIIRNVKGPVREGDVLTLLESEREARRLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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_001105730.1 , NP_001099200.1
RefSeq Size:	339 bp
RefSeq ORF:	210 bp
Locus ID:	691531
UniProt ID:	P62859
Cytogenetics:	7q13
MW:	7.8 kDa
Gene Summary:	40S ribosomal subunit protein [RGD, Feb 2006]