

Product datasheet for **RN216957**

Rangap1 (NM_001244855) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rangap1 (NM_001244855) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rangap1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN216957 representing NM_001244855
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCTCTGAAGACATTGCCAAATTGGCAGAGACCCCTGGCCAAAACCTCAGGTAGCCGGAGGACAGCTGA
 GTTTTAAGGGCAAGGGTCTCAAACCTAAATACTGCAGAAGATGCTAAAGATGTGATTAAGGAGATTGAAGA
 GTTTGATGGCCTGGAAGCTCTACGACTGGAGGGGAACACAGTGGGCGTGAAGCGCCAGAGTCATCGCC
 AAGGCCTTAGAGAAGAAGTCCAAGCTGAAGCGATGCCATTGGAGTGACATGTTCCACCGGAAGGCTTCGGT
 CCGAGATCCCACAGCTCTGATCTCACTAGGGGAGGGGCTCATCACTGCAGGAGCACAGCTGGTGGAGCT
 CGACCTCAGTGACAACGCATTTGGACCTGATGGAGTGGCAGGCTTCGAGGCCCTCCTCAAGAGCCCAGCC
 TGCTTCACCTGCAGGAACCTCAAGCTTAACAACCTGTGGCATGGGCATCGGTGGTGGCAAGATTCTGGCAG
 CAGCTCTGACTGAGTGCCACCGCAAGTCCAGTGCCCAAGGCAAGCCACTGACCCTGAAGGTGTTTGTGGC
 TGGCAGAAATCGCCTGGAGAATGATGGAGCCACTGCCTGGCAGAAAGCCTTTGGGATCATCGGGACTCTG
 GAAGAGGTCCATATGCCACAGAATGGAATTAACCAACCTGGTGTACAGCCCTGGCCAGGCGTTTGCCA
 TTAACCCCTGCTGCGAGTCATCAATCTAAACGACAACACCTTCACTGAGAAGGGTGGGGTGGCCATGGC
 TGAGACCTGAAGACTGCGACAAGTGGAGGTGATCAATTTGGAGACTGCCTGGTGGCTCCAAGGGG
 GCGGTGCGCATCGCAGATGCTGTCCGTGGGGCCCTGCCAAGCTGAAGGAGCTGAACCTGTCAATTCTGTG
 AAATCAAGAGAGATGCTGCCCTGGTGTGGTGGCAGGCTGTGGCTGACAAGGCTGAGCTGGAGAAGCTGGA
 CCTCAATGGCAATGCCCTAGGAGAAGAGGGCTGTGAGCAGCTTCAGGAGGTGCTGGACAGCTTCAATATG
 GCCAAGGTGCTGGCATCCCTCAGTGATGATGAGGAGAGGATGAGGATGAGGATGAGGAAGGAGAGGACG
 ATGAGGATGAGGAAGATGAGGAGGAGGAGGAGGAAGAAGAGGAGGAAGAGGAGGAAGAAGAGCC
 ACAGCAGCGAGGGTCAGGAGAGGAGCCAGCTACACCCTCGAGGAAGATCCTGGACCCTAACAGTGGGGAG
 CCAGCTCCCGTGTCTCCTCCCGCCTCCACAGACCTGTCCACCTTCTGTCATTCCCCTCCCAGAGA
 AGCTGCTGCGGCTGGTCCAAAGGTCTCGGTGCTGATAGTCCAGCAGACTGATACCTCCGACCCTGAGAA
 GGTTGTTTCAGCCTTCTGAAGGTGGCATCTGTGTTTCAGGGACGAAGCCTCAGTAAAGACAGCAGTGTG
 GATGCCATCGATGCCCTCATGAAGAAGGCCTCAGCTCCTCCTTTCAATTC AACACCTTCTTACCA
 GGCTGCTCATCCACATGGGTCTGCTCAAGAGTGAAGACAAGATCAAGGCCATTCTAGCCTGCATGGCCC
 CCTGATGGTGTGAACCACGTGGTACAGCAGGACTATTTCCCAAGACCCTTGACCCGCTGCTGCTGGCC
 TTTGTGACAAAGCCCAATGGTGCCTGGAATCCTGCTCCTTTGCCCGCCACAGTCTGCTGCAGACGCTGT
 ACAGCAT**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001244855
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001244855.1](#), [NP_001231784.1](#)

RefSeq Size: 2783 bp

RefSeq ORF: 1761 bp

Locus ID: 362965

Cytogenetics: 7q34