

Product datasheet for **RN206407**

Top1 (NM_022615) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Top1 (NM_022615) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Top1
Synonyms:	Ab2-086
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206407 representing NM_022615
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCGGGGACCATCTCCACAACGACTCCAGATCGAAGCGGATTTCCGATTGAATGATTCTCATAAAC
 ACAAAGATAAACACAAAGATCGAGAACACCGGCATAAGGAGCACAGAAGGATAAGGATAAGGACCGGGA
 AAAGTCTAAACATAGCAACAGTGAACATAAAGATTCTGAAAAGAAAACACAAAGAGAAAAGAGAAAACAAA
 CACAAAGATGGAAGCTCAGACAAACATAAAGACAAACATAAAGACAGAGACAAGGAAAAACGAAAGGAGG
 AAAAGATTAGAGCTGCTGGGGATGCAAAAATAAAGAAGGAGAAGGAAAATGGCTTCTCTAGTCCACCACG
 AATTAAGACGAGCCTGAAGATGATGGCTATTTTGTCTCCAAAAGAGGATATAAAGCCACTGAAGAGG
 CCTCGGGATGAAGATGATGCTGATTATAAGCCTAAGAAAATTAAGACAGAAGATATCAAGAAGGAGAAGA
 AACGAAAACAGAGAAGAGGATGGCAAACCTAAAAAGCCCAAGAATAAAGATAAAGATAAAAAAGT
 TGCTGAGCCAGATAATAAGAAGAAGAAGCGAAAAAGGAAGGAGCAGAAAGTGGAAATGGTGGGAAGAA
 GAACGCTATCCAGAAGGCATCAAGTGAAATTCCTAGAACATAAAGGGCCTGTTTTGCTCCACCCTATG
 AGCCTCTGCCAGAGGGTGTCAAGTTTTACTATGATGGTAAAGTTATGAAGCTGAGTCCCAAAGCAGAAGA
 AGTAGCTACATTTTGCAAAAATGCTTGACCATGAATATACTACTAAGGAAATATTCAGGAAAAATTTT
 TTTAAAGACTGGAGAAAGGAAATGACTAATGATGAAAAAATACGATTACCAACCTAAGCAAATGCGACT
 TTACACAGATGAGCCAGTACTTCAAAGCTCAATCAGAAGCTCGGAAACAGATGAGCAAGGAAGAAAAAT
 GAAAATCAAAGAAGAAAATGAAAATTTATTGAAAGAATATGGCTTTTGTGAATGGATAATCATAGAGAG
 CGGATTGCCAACTTCAAGATAGAGCCTCCAGGGCTCTCCGAGGCCGTGGCAACCACCCCAAGATGGGTA
 TGCTGAAGAGAAGGATCATGCCTGAGGACATCATCAACTGTAGCAAAGATGCCAAGGTTCTCTCTCC
 TCCTCCTGGACATAAATGGAAGGAAGTTCGACATGATAACAAGGTTACTTGGCTGGTCTCCTGGACAGAG
 AATATCCAAGGTTCTATCAAATATATCATGCTGAATCCAGTTCACGAATCAAGGGTGAGAAAGACTGGC
 AGAAGTATGAGACTGCTCGGCGACTGAAGAAGTGTGTGGACAAGATCCGAAATCAGTATCGGGAAGACTG
 GAAGTCCAAAGAAATGAAAGTTCGGCAGAGAGCTGTAGCACTGTACTTCATTGATAAGCTTGCTCTGAGA
 GCAGGCAATGAGAAGGAAGAAGGAGAGACAGCAGACACTGTGGGTTGCTGTTCACTTAGAGTGGAAACACA
 TCAATCTACACCAGAATTGGATGGTCAAGGACGTTGTTGAGTGGGTTTACTTTCTGGGAAGGACTCAAT
 CAGATACTACAACAAAGTCCAGTTGAGAAACGAGTTTTTAAAAACTTACAATATTTATGGAGAACAAG
 CAGCCTGAGGATGATCTTTTGTGCTGACTTAATACTGGTATTCTAAATAAGCATCTTCAAGATCTCATGG
 AGGGCTTGACTGCCAAGGTGTTCCGTACCTACAATGCCTCCATCACGCTGCAGCAGCAGCTTAAAGAGCT
 CACAGCCCTGATGAGAATGTACCAGCAAAGATTCTATCTTATAACCGTGCCAATCGCGCTGTTGCAATT
 CTTTGTAAACCACCAGAGGGCGCCACCAAAGACCTTTGAGAAGTCAATGATGAACTTGCACTAAGATTG
 ATGCCAAGAAAGATCAGCTAGCAGATGCTCGAAAGGACCTGAAAAGCGCTAAGGCTGATGCCAAAGTCAT
 GAAGGATGCAAAGACCAAGAAGGTAGTAGAGTCAAAAAGAAAGGCTGTACAGAGATTAGAAGAGCAGCTG
 ATGAAGCTGGAGGTTCAAGCCACAGACCGAGAGGAGAACAACAATGCCTTGGGGACCTCCAAACTCA
 ATTACCTGGACCCTAGGATCACAGTGGCTTGGTGCAAAAAATGGGGGTCCCAATCGAGAAGATTTACAA
 CAAAACCCAGAGAGAAGTTTGGTGGCCATTGATATGACTGATGAGGACTACCGAGTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022615
Insert Size: 2304 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:	<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_022615.1 , NP_072137.1
RefSeq Size:	2304 bp
RefSeq ORF:	2304 bp
Locus ID:	64550
UniProt ID:	Q9WUL0
Cytogenetics:	3q42
Gene Summary:	human homolog catalyzes the transient breakage and rejoining of DNA; plays a role in nucleotide excision repair [RGD, Feb 2006]