

Product datasheet for **RR214789**

Tubgcp2 (NM_001107560) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tubgcp2 (NM_001107560) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tubgcp2
Synonyms:	Adam8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214789 representing NM_001107560
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGAATTTTCGGATTACCATGATGTCAATGAGCTGCTCAGCCTGCTGCGTATCCATGGTGGGGACG
 GGGCTGAGGTCTACATTGACCTGCTGCAGAAGAACCAGGACCCATATGTTACGACAACAGTGTCTGCCCA
 CAGTGCCAAGGTCAAAATTCAGAGTTTTCTCGAACGCCTGAGGACTTTTTAAAGAAATATGATGAACTG
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 GCCTCCCAGGAGTCAGCAGTGGTGAAGATCTGCTCTATGTGCTTGTGGGAGTGGATGGCAGGTACATCA
 CTGCTCAGCCTTTGGCTGGGAGGCAGAACCCTACCTTCCTTGTAGATCCCAACCTGGACCTGTCCATCCG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214789 representing NM_001107560
 Red=Cloning site Green=Tags(s)

MSEFRIHHDVNE LL SLLRIHGGDGA EVYIDLLQKNRTPYVTTT VSAHSAKVKIAEF SRTPEDFLKKYDEL
 KSKNTRNLDPLVYLLSKL TEDKETLQYLQONAKERAEL AASAAASATGFSIPVAASKMSTQELEELRKQ
 LGSVATGSTLQQSLEL TRKMLRDKQNKNSGQPLPVFP AWVYERPTLAGDFLIGSGLSSDITLPIGTLPL
 ASQESAVVEDLLVYLVGVDGRYITAQPLAGRQNR TFLVDPNLDLSIRELVNRILPVAASYSTVTRFIEEK
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 VGGSTLSLLHDRSFNYT GDSQAQELCLYLTKAASAPYFEI LEEWIYRGV IHDPYSEFMVEEHEL RKEIKQ
 EDYNDKYWDQRYTVLPQQIPSFLQKVAGKILSTG KYLNVVRECGHDVTC PVAKEIIYTLKERAYVEQIEK
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 VMEPTWHILEKNLKSASNIDDLGHHTSFLDNCL KDCMLTNPELLK VFSKLM SVCVMFTNCMQKFTQSMK
 LDSELGRLTLDQGSVQPPPE SERIDDRPRKEPTRKHL PEHVDT PQLSSGFEAT INNF DKNFSAHLLDLL
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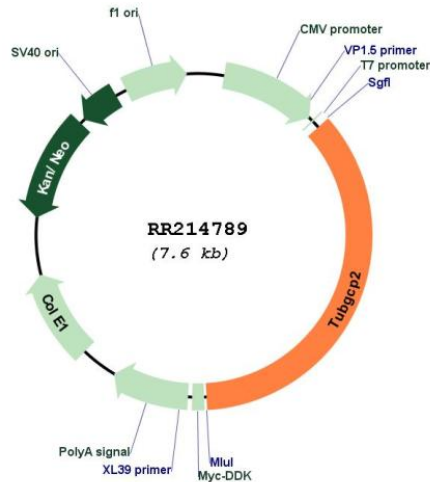
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107560

ORF Size: 2715 bp

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:

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_001107560.2](#), [NP_001101030.1](#)

RefSeq Size: 2852 bp

RefSeq ORF: 2718 bp

Locus ID: 309098

Cytogenetics: 1q41

MW: 103.1 kDa