

Product datasheet for **RR214103**

Adam17 (NM_020306) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Adam17 (NM_020306) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Adam17
Synonyms:	TACE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR214103 representing NM_020306
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCAGCGTCTCCTCTTCTGACCCTTTGGTGCCTTCGTCCTGGCACCCCGACTCCGGAGGAAC
 CAGGCTCTGGCTCCACCTGCGACTTGAGAAGCTTGATTCTTTGCTCTCAGACTACGATATCCTCTCTTT
 ATCTAATATCCAGCAGCACTCCATAAGGAAAAGGGATCTACAGTCTGCGACACACTTAGAAAACACTACTA
 ACTTTTTAGCTTTGAAAAGGCATTTTAAATTATACTTGACATCAAGTACAGAACGCTTTTCACAGAAC
 TGCGAGTCTGGTGGTGGATGGGAAAGAGGAAAGCGAGTACAGTGTGAAGTGGCAGGACTTCTCAGCGG
 ACATGTGGTTGGTGGCTGACTCTAGGGTTCTAGCGCACATAGGAGATGATGATGTCACAGTAAGAATC
 AACACAGATGGGCAGAAATAACATAGAGCCACTTTGGAGGTTTGTAAATGATACTAAAGATAAAAGGA
 TGCTGGTGTATAAGTCTGAAGATATCAAGGATTTTTCAGTTCAGTCTCCAAAAGTATGTGGTTATTT
 AAATGCAGATAGTGAAGATTGCTTCCAAAAGGGCTCATAGACAGAGAGCCATCTGAAGAGTTTGTCCGT
 CGAGTGAAGAGGGCAGCTGAACCTAACCCATTGAAGAATACTTGTAAATTAAGTGGTGGCAGATCATC
 GATTTTATAAGTACATGGGCCGAGGAGAAGAGAGCACTACTACAAATTAATTAAGAGTTAATTGACCG
 AGTTGATGACATATACCGGAACACCTCGTGGGACAATGCAGGATTTAAAGGTTATGGAGTACAGATAGAA
 CAGATTCGAATTCCTCAAGTCTCCACAAGAGGTAACCTGGTGAAGACACTTCAATATGGCAAAAAGTT
 TTCCAAATGAAGAAAAGGATGCTTGGGATGTGAAGATGCTGCTGGAGCAATTTAGCCTTGATATAGCTGA
 AGAGGCCCTCTAAAGTCTGCCTGGCTCATTTTTACCTACCAAGATTTGATATGGGAACCTTGGATTA
 GCTTACGTTGGTCTCCAGAGCAAAACAGTATGGAGGGGTTTGTCCAAAAGCTTATACAACCCAGGTA
 TGAAGAAGAACATCTATTTGAATAGTGGTCTGACAAGTACAAAAAATTAAGTAAAACCATCCTTACAAA
 GGAGGCTGACCTGGTTACAACCTCATGAATTTGGACACAAATTTTGGAGCAGAACATGATCCTGATGGGCTG
 GCAGAGTGTGCCCAAATGAGGACCAAGGAGGAAAGTATGTTATGTACCCATAGCTGTGAGTGGTGACC
 ATGAGAATAATAAGATGTTTTCAAAGTGCAGTAAACAGTCCATCTACAAGACCATAGAAAGCAAGGCTCA
 AGAGTGTCTCCAGGAGCGCAGCAACAAGGTGTGCGGCACTCCAGGGTGGACGAAGGAGAAGAGTGTGAC
 CCGGGCATCATGTACCTGAACAACGACACCTGCTGCAATAGTACTGCACACTGAAGCCAGGTGTGAGT
 GCAGTATAGGAATAGTCTTGTGTAAAAATGTCAGTTTGTGAGACGGCCAGAAGAAGTGCAGGAGGC
 TATCAATGCTACTTGCAAAGGAGTGTCTTACTGCACAGGGAATAGCAGTGTGAGTGCACCCACCAGGAGAT
 GCTGAAGATGACTGTGTGCTTGGACCTGGGCAAGTGAAGGCTGGGAAATGCATCCCTTCTGCAAGA
 GGGAGCAGGAGCTGGAGTCTGCGCATGTGCTGACACCGACAACCTCGTGAAGGATGCTGCAGGAACCT
 TTCTGGCCATGTGTGCCTTACGTCGATGCAGAGCAAAAGAACTATTTTTGAGGAAAGGGAAGCCCTGT
 ACAGTAGGGTTTTGTGACATGAATGGCAATGTGAGAAACGGGTACAGGACGTAATTGAGCGTTTTGGG
 ATTTCAATTGACCAGCTGAGCATCAACACTTTTGGGAAGTTTCTGGCAGACAACATCGTTGGGCTGTTCT
 GGTTCCTCCTTGATATTTGGATTCTTTTCAGCATTCTGTCCACTGTGTGGATAAGAAACTGGACAAG
 CAGTATGAGTCCCTGTCTCTGTTTCATCACAGTAAACATTGAGATGTTGAGCAGCATGGACTCAGCATCTG
 TTCGATTATCAAGCCGTTCCCTGCACCCAGACTCCAGGTCTGCTGCAGGCCCTGCAGCCGGCTGCAAT
 GATGCCGCCAGTGTCTGCGGCTCCAAAAGTGGATCACCAGAGGATGGACACCATCCAGGAAGACCCAGC
 ACAGATTACATGTGGATGATGATGGCTTTGAGAAGGACCCCTTCCCAACAGCAGTGCAGCCGCCAAGT
 CCTTTGAGGACCTCACAGACCACCCAGTACCAGGAGTGAGAAGGCCCTCCTTCAAGCTGCAGCGTCA
 GAGCCGAGTTGATAGCAAAGAGACAGAGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214103 representing NM_020306
 Red=Cloning site Green=Tags(s)

MRQRLFLTTLVPFVLAPRPPEEPGSGSHLRLEKLDSSLSDYDILSL SNIQQHSIRKRDLSATHLETLL
 TFSALKRHFKLYLTSSTERFSQNLRVVVVDGKEESEYSVKWQDFSGHVVGEPDSRVLAHIGDDDDVTVRI
 NTDGAEYNIPLWRFVNDTKDKRMLVYKSEDIKDF SRLQSPKVCGYLNADSEELLPKGLIDREPSEEFVR
 RVKRRRAEPNPLKNTCKLLVADHRFYKYMGRGEESTTTNYLIELIDRVDDIYRNTSWDNAGFKGYGVQIE
 QIRILKSPQEVKPGERHFNMAKSFNNEEKDAWDVKMLLEQFSLDIAEEASKVCLAHLFTYQDFDMGTLGL
 AYGSPRANSHGVC PKAYNPGVKNIYLN SGLTSTKNYGKTI LTKEADLVTTHELGHNF GAEHDPDGL
 AECAPNEDQGGKYVMYPIAVSGDHENKMF SNCSKQSIYKTIESKAQECFQERSNKVCGNSRVDEGEECD
 PGIMYLNNDTCCNSDCTLKPGVQCSDRNSPCKKNCQFETAQKKCQEA INATCKGVS YCTGNSSECP PPGD
 AEDDTVCLDLGKCKAGKCIPFCKREQELESCACADTDNSCKVCCRNL SGPCVPYVDAEQKNLFLRKGKPC
 TVGFCDMNGKCEKRVQDVIERFWDFIDQLSINTFGKFLADNIVGSVLFSLIFWIPFSILVHCVDKKL DK
 QYESLSL FHHSNIEMLSMDSASVRI IKPFPAQT PGR LQALQPAAMPPVSAAPKLDHQ RMDTIQEDPS
 TDSHVDDDGFEKDPFPNSAAAASFEDLTDHPVTRSEKAASFKLQRQSRVDSKETEC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_020306

ORF Size: 2481 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_020306.2](#), [NP_064702.1](#)

RefSeq Size: 4126 bp

RefSeq ORF: 2484 bp

Locus ID: 57027

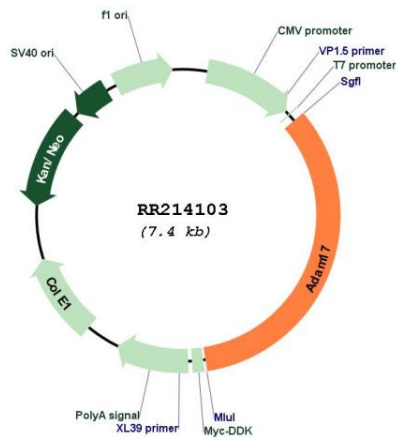
UniProt ID: [Q9Z1K9](#)

Cytogenetics: 6q16

MW: 93 kDa

Gene Summary: expression occurs in response to oxygen glucose deprivation, may play a role in inhibition of apoptosis via induction of TNF-alpha release [RGD, Feb 2006]

Product images:



Circular map for RR214103