

Product datasheet for **RN200066**

Ank3 (NM_001033984) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ank3 (NM_001033984) Rat Untagged Clone
Tag: Tag Free
Symbol: Ank3
Synonyms: ANK-3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200066 representing NM_001033984
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCATGCCGCTTCCAGTTAAAGAAAAACAGGGATTTAGAAATCAATGCGGAAGAAGAGACCGAGA
AAAAAAGAAGCACCGTAAACGGTCCCGGATCGCAAGAAAAAGTCGGATGCCAATGCAAGTTACTTGAG
AGCAGCTCGGGCGGGCACCTGAAAAGGCCCTTGACTACATCAAAAATGGAGTGGACGTC AACATCTGT
AACCAGAAATGGGTGAATGCGCTCCATCTTGCTTCCAAAGAAGGCCATGTGGAAGTGGTCTCCGAGCTGC
TGCAGAGAGAAGCCAACGTCGATGCAGCCACAAAGAAAGGAAAACACAGCCTTACACATCGCATCCTTGGC
TGGACAAGCGGAAGTGGTCAAGGTCTTGTTACGAACGGAGCGAACGTC AACGCACAGTCTCAGAATGGC
TTCACGCCGCTGTATATGGCGGCCCAGGAGAACCACCTGGAAGTCGTCAGGTTTCTTCTGGACAATGGT
CCAGCCAAAGCCTGGCTACAGAGGATGGCTTACGCCATTGGCCGTGGCTCTTCAACAAGGTCACGACCA
AGTCGTATCCCTCCTGCTCGAGAACGACACGAAGGAAAAAGTGCCTCCAGCCCTCCACATCGCGGCC
CGGAAAGATGACACCAAAGCGGCAGCTCTGCTCCTACAGAACGACACCAATGCAGACATAGAGTCAAAGA
TGGTGGTGAATAGAGCAACTGAGAGTGGCTTACCCCACTCCACATAGCTGCCACTACGGGAATATCAA
TGTGGCCACGTTGCTGTTAAACCGAGCGGCTGCCGTGGACTTACCGCACGGAATGACATCACTCCTTTG
CATGTTGCTCGAAACGGGGAAACGCAAAATATGGTAAAGCTGTTGCTCGACCGGGGTGCGAAGATCGACG
CCAAGACCAGGGACGGTCTGACCCCGCTGCACTGCGGGGCGAGAAGTGGCCACGAGCAGGTGGTAGAGAT
GTTGCTGGACAGACCGCCCATCCTTTGAAAACCAAGAATGGACTGTCCCACTGCACATGGCCACA
CAAGGAGACCATTTAAACTGCGTCCAACCTCCTCCAGCACAACGTGCCCGTGGATGACGTACCAACG
ACTACCTGACCGCCCTCCAGTGGCGGCCACTGCGGCCATTACAAAGTGGCAAGGTTCTTTGGATAA
GAAAGCTAACCCCAATGCCAAAGCTCTGAATGGCTTACCCCTCTCCATATCGCTGCAAAAAGAACCGA
ATCCGAGTAATGGAACCTTTTGAAGCAGGTGCATCTATTCAAGCCGTAACCGAGTCGGGCTTACCC
CAATCCATGTCGCTGCCTTCATGGGACATGTAATATCGTGTACAGCTAATGCATCATGGAGCCTCCCC
AAACACCACCAACGTGAGAGGAGAAACAGCATTGCATATGGCGGCTCGGTGCGGGGAAGCAGAAAGTGGT
CGGTATTTGGTACAAGATGGAGCTCAGGTAGAAGCAAAAGCTAAGGATGACCAGACCCCACTCCACATTT



[View online >](#)

CAGCCCGACTCGGGAAGGCTGACATAGTGCAACAACCTGTTACAGCAAGGAGCGTCCCCGAATGCAGCAAC
 AACTTCGGGTACACCCCTTCACCTTCGGCCAGAGAGGGGCATGAGGATGTAGCTGCCTTCCTCTG
 GACCATGGAGCATCTTTATCCATAACAACAAAGAGGGATTACGCCTCTGCACGTGGCTGCAAAATATG
 GGAAGCTTGAAGTGGCAAGTCTCCTGCTGCAGAAGAGTGGTCTCCTGATGCCGTGGGAAGAGCGGGCT
 AACTCCACTGCATGTAGCAGCACATTACGATAATCAGAAAGTGGCCCTTCGCTTTTGGACCAGGGAGCC
 TCACCCACGCAGCTGCAAAGAACGGTTATACGCCACTGCACATCGCCGCAAGAAGAACCAGATGGACA
 TAGCCACGTCCCTGCTGGAGTACGGAGCTGATGCAAACGCGTTACCCGCAAGGATTGGTCCGTCCA
 CCTTGCAGCGCAGGAAGGGCACGTGGACATGGTGTGCTGCTCCTCAGTAGAAATGCGAACGTCAACTTG
 AGCAATAAGAGCGGCTCACCCACTCCACCTGGCGGCTCAAGAAGACCGAGTGAACGTGGCTGAGGTCC
 TTGTCAACCAAGGGGCCACGTGGATGCACAGACAAAGATGGGCTACACGCCCTCCATGTGGGCTGTCA
 CTATGGAAACATCAAAATAGTCAATTTTCTGCTGCAGCATTCTGCGAAAGTTAATGCCAAGACAAAGAA
 GGATACACGCCACTGCACCAGGCAGCCAGCAGGGCCACACACATCATCAACGTCTGCTCCAGAACA
 ACGTTCCCCCAATGAACTACTGTGAATGGGAACACAGCCCTGGCCATCGCCGACGCCTTGGCTACAT
 CTCGGTGGTTGACACCCTAAAGGTGCTGACAGAGGAAATATGACCACCACTACCATCACGGAGAAGCAC
 AAAATGAATGTCCAGAAACGATGAATGAAGTCTCGACATGTCAGACGATGAAGTTGGTAAAGCCAGCG
 CCCCCGAAAGCTCAGTGTGGGAATATATCTCAGATGGTGAAGAAGGTGAAGATGCCATCACAGGGGA
 CACTGACAAGTATCTCGGGCCACAGGACCTCAAGGAGCTGGGCGATGACTCCCTGCCTGCCGAGGGCTAT
 GTGGGCTTCAGTCTCGGAGCCGTTCTGCCAGCCTTCGCTCCTCAGTTCGGATAGGTCCTACACCTGA
 ACAGAAGCTCCTATGCGCGGGACAGCATGATGATCGAGGAGCTTCTGGTGCCATCCAAAGAGCAGCACCT
 TCCATTACAGAGGGAGTTGACTCCGACTCCCTCAGACACTACAGTTGGGAGCAGACACACTGGACAAT
 GTGAACCTGGTCTCCAGCCCTGTGATTTCTGGTTTCTGGTTAGCTTTATGGTGGACGCGAGAGGGGGCT
 CCATGCGAGGAAGCCGCCACCACGGGATCGGATCATCATCCCTCCGCGCAAGTGTACGGCCCCACCCG
 CATCATTGCGCCTGGTAAAGAGACATAAACTGGCCAACCCACCCCATGGTGAAGAGGAGGATTA
 GCCAGTAGGCTGGTGAAGTGGTCTGCGGGGGCACAAATTTTGGCCCGGTCAATAGTGGAAATCCCTC
 ATTTTGGTCCATGAGAGGAAAGGAGAGGAACTCATTGTCTCCGAGCGAGAACGAGAGACCTGGAA
 GGAACACCAGTTTACAGCAAAAACGAAGACCTCTCGGAGCTCCTCAATGGCATGGACGAAGAATTGAC
 AGCCAGAAAGAGTTGGGCACAAAGCGCATCTGCAGAATCATCACGAAGGATTTCCCCAGTATTTGCTG
 TGGTTTCCCGGATTAAGCAGGAAAGCAACCAGATTGGTCCGAAGGTGGGATTCTGAGCAGCACCACGGT
 CCCCTCGTCCAGGCGTCTTTCCAGAGGGTGCCTTAACCAAAGGATCCGTGTGGTCTGCAGGCTCAG
 CCCGTACCAGAGGAGACTGTGAAAAGATCCTTGGAAACAAAGCAACGTTTAGCCCAATTGTCACGGTGG
 AGCCGAGGAGGAGAAATCCATAAGCCGATCACCATGACCATCCCGGTGCCCCACCCTCGGGAGAAGG
 CGTGTCCAATGGGTACAAGGGGGACACCACGCCAGCCTGCGACTCCTCTGCAGCATTACAGGAGGGACC
 TCGCCGGCTCAGTGGGAAGACATCACAGGCACAACCCCGTACCTTCATAAAGGACTGTGTGCTTTCA
 CAACCAATGTTTCAGCCAGGTTCTGGCTGGCGGACTGCCATCAGGTGTTAGAAACCGTAGGGCTAGCCTC
 GCAGCTGTACAGAGAGTTGATATGTGTCCCTACATGGCCAAGTTTGTGTTTTTGC AAAACAAACGAC
 CCAGTGAATCCTCCCTAAGGTGCTTCTGTATGACAGACGACAGAGTGGACAAAACCTGGAGCAGCAGG
 AGAATTTGAGGAGGTTGCCAGAAGCAAGACATCGAGGTTCTGGAAGGAAAGCCCATCTATGTTGATTG
 CTATGGAACCTGGCTCCTCTGACCAAAGGAGGGCAGCAGCTGTTTTAACTTCTATTCTTTCAAAGAA
 AACAGACTGCCATTTTCCATCAAGGTTAGAGACACCAGCCAAGAGCCCTGCGGCCGTCTGTCTTCTG
 AGGAGCCGAAAACAACAAAAGGATTACCCAAAACGGCTGTTTGAACCTAAATATTACTCTACCGCGCA
 TAAAAAGGCTGAGAAGGACAGACAGCGCCAGAGCTTCACATCCCTAGCCTTACGTAAAGCGCTACAGCTAC
 TTGACTGAGCCAGCATGAAAACAGTTGAACGGAGTTCAGGAACAGCAAGATCCCTTCCCACTACTTATT
 CACACAAGCCATTCTTTCTACAAGACCATACCAGTCTGGACTACGACTCCCATAAACAGTGCCCGGGCC
 GGCCAAATCAGGCTCCTTATCCAGCTCCCCCTAACACGCCGTACGCGTCTCCGTTAAATCCATATGG
 TCTGTTTCAACGCCTTCTCCGATCAAATCCACGCTAGGCGCCTCAACTACGTATCAGTCAAATCCATTA
 GTGATGTGGCGTCTCCTATTAGATCTTCCGACAATTTCTTCGCAATAAAGAACGGTGGATCGCCGTC
 TCCATACAATACCAAGTAGCCTCTGGTACCCTGGGAGGGTACCCACCATCACAGAGGCCACACCTATA
 AAGGGGTGGCTCCCAACTCAACTTTGTCTCTCGAATCTCCTGTGACGACCGCAGGGTCTCTGTTGG
 AGAAGTGTCCATCACCATGACACCCCTGCCTCCCCAAAGCCAACATCACCATGTATTCTCCAGCTT
 GCCATTTAAGTCCATTATCACGTGAGCGGACCGCTGATCTCCTCCCTTTAAAGTCAGTGGTGTCTCCG
 ACCAAGTCTGCAGCTGATGTATCTCAACAGCTAAAGTGCAGTGGCATCGACTCTCCTCCCCCTTAA
 AGCAGATGTCTGGACATGCAGAAGTAGCGCTAGTCAATGGGTCTGTTTCTCCTCTGAAGTATCCTTCTC

TTCCGCTTTAATTAACGGATGCAAAGCCACTGCCACATTACAGGACAAAATTTCTACAGCCACAAATGCT
 GTGAGCTCGGTGGTGAGCGCGGCCCTGACACGGTGGAGAAAGCGCTCTCCACCACAACAGCCATGCCCT
 TTTCCCCTACTCAGGTCTTACGTTTCCGCTGCAGCGCCCTCTGCTTTTCAGTCCCTTAGAGCTCCCTCTGC
 CAGTGCCTCTACAACCTCCCTCGGGCTTCAGTAGGTGTTACTACCTCATCCGTAACCTTCATCGATAATC
 ACAGTGCCAGTACTCGGTAGGCAATGTTTTGGCAGAACCAGCATTGAAGAACTTCCAGACTCTAATC
 CGCTCACAAAATCGGCAGCGGCTTTGCTGTGCGCCATTAACAACTTACTGACTACGGAGACACGTCCTCAGCC
 CCATTTCAATCGAACGTATCTCCCGCAAGTCTCTGTTCCCTGGCATCCTCGGCCCTAAGCCGTCA
 GTACCATCTTCTTATCTTCCAGTCAGGAGATCTTAAAAGATGTGGCCGAGATGAAGGAGGACCTCATGA
 GAATGACCGCCATACTGCAGACGGATGTGCTGAGGAGAAGCCATTCCAGACCGACCTCCCCGAGAAGG
 GAGGATAGACGACGAAGAGCCTTTCAAATCGTTGAGAAAGTGAAGGAAGACTTAGTCAAAGTCACTGAG
 ATACTCAAAGGACGTGTGTGCGAGAGCAAAGGCCACCCAAGTCCCCAAAGAGTGACAAAGGACACT
 CTCCAGAAGATGACTGGACGGAATTTAGTTCTGAGGAAATACGAGAAGCCAGGCAGGCTGCTGCCAGTCA
 CGCCCCATCCCTGCCGAGAGAGTACATGGAAAGGCCAACCTCACCAGAGTCATAGACTACCTGACCAAT
 GACATCGGGAGCAGTTCCTGACCAACTTAAAGTACAAGTTTGAAGAGGCTAAGAAGGAAGGAGAGGAGA
 GACAGAAGAGAATTTAAAGCCAGCCATGGCCTTGCAGGAGCATAACTCAAATGCCGCCAGCCTCCAT
 GAGACCTTCCACCTCCGAGAAGGAACTGTGCAAGATGGCGGACTCCTTTTTTGAACAGATGCCATCCTA
 GAGTCTCCCGATGACTTTTCTCAACATGACCAAGACAAAAGTCCCTTGTCGACAGTGGCTTTGAAACCC
 GAAGTGAGAAAACACCTTTCAGCCCCCAAAGTGGCCGAGAGCACCAGCCCTAAGCCACTATTTTCAAGT
 CCCCATCCCCCTGTATCACAGAGACGAGAAGTGAAGTGTCCAGTGTATCAGGAGCTACGAGCCCTCT
 ACTGGGGAGATCCCCAGTCCCAGCCAGAGGACCCCGTGTCTCCCAAACCTCCCCCTACATTTATGGAGT
 TGGAAACCAAGCCACCAGCCCTTAGCATTAAAGGAAAAGTGAAGCATTCCAAATGAAGCCAGTAGCGA
 GGAAGAGGACACAGTCCGGTTTTAAGCAAAGGCATGCGTGTCAAAGAAGAGACTCACATACCACAACC
 ACGAGGATGGTGTACTCTCCCGCCTGGCAGTGTGCTCCGAGAGGATTGAGGAGACCATGTCAG
 TCCATGACATTATGAAGGCTTTTCAGTCCGGGCGAGACCCTTCCAAAGAGCTGGCGGGGCTGTTGAACA
 CAAGTCCGCCATGTCTCCGGATGTTGCCAAGTCTGCTGCTGAGACCTCGGCCAGCACGCAGAGAAGGAC
 AACCAAATGAAACCCAACTGGAGCGTATTATAGAGGTCCACATCGAAAAAGGTCCACAGAGTCTTGTG
 AGCGGACGGATATCAGGATGGCAATAGTAGCCGATCACCTGGGACTTAGTTGGACAGAGCTGGCAAGGGA
 ACTGAATTTTTCAGTGGATGAAATCAACCAAATACGAGTGGAAAATCCCAATCTTTAATTTCTCAGAGC
 TTCATGTTATTAATAAAGTGGGTGACGAGAGACGGGAAGAATGCCACAAGTATGCTTAACTTCGGTCT
 TAACAAAATTAACCGAATAGACATAGTAACTCTGCTGGAAGGACCAATATTTGATTATGGGAATATTT
 AGGCACCAAGAAGCTTTCAGATGAAAACAATGTTTTCCATGACCCAGTTGATGGTTGGCAGAACGAGACG
 CCAAGTGGAGCCTAGAGTCCCGGCGCAAGCGGAAGAATAACCGGTGGGTTACTGGACCGTCTGGACG
 ACAGCTCTGACCAGTTCGGGATCCCATACCTCATACTCACAGGAGAAGCTGGGAAGTTCGAAGCAAA
 CGGAAACCACGCAGAAGTCAATCCAGAAGCAAAGGCCAAGGCCTACTTTCCTGAATCCCAAAACGATATA
 GGGAAACAGAGCATCAAGGAGAACTTGAACCAAAAACACACGGATGTGGTTCGCGCTGAGGAACCAAGT
 CGCCCCCTCACAGCCTACCAGAAATCTCTAGAAGAAACCAGCAAGCTTGTATAGAAGACGCACCTAAACC
 CTGTGTGCTGTGCGCATGAAAAAGATGACCAGGACTCCGGCTGACGGCAAAGCCAGGCTCAACCTCCAG
 GAAGAGGAGGGGTCGCCAGGTCAGAGCCTAAGCAGGGAGAAGGCTATAAGGTGAAAACAAGAAGGAAA
 TCCGGAATGTGGAGAAGAAGCCACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001033984

Insert Size:

7869 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:	<u>NM_001033984.1</u> , <u>NP_001029156.1</u>
RefSeq Size:	7889 bp
RefSeq ORF:	7869 bp
Locus ID:	361833
UniProt ID:	<u>O70511</u>
Cytogenetics:	20p11
Gene Summary:	may play a role in the organization of the sarcoplasmic reticulum and postsynaptic membrane of skeletal muscle fibers [RGD, Feb 2006] Transcript Variant: This variant (2) represents the longest variant and it encodes the longest protein (isoform 2). Isoform 2 is also known as '270 kDa ankyrin-G'.