

Product datasheet for **RR201123**

Anxa7 (NM_130416) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Anxa7 (NM_130416) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Anxa7
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR201123 representing NM_130416
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCATACCCAGGCTACCCCCGACAGGCTACCCACCTTCCCTGGATATCCTCCTGCAGGTCAGGAGT
 CCTTTTCCCACTTCGGGTCAGTATCCGTACCCTAGTGGCTTCCACCAATGGGAGGAGGTGCTTACCC
 ACCAGTCCAAGTGGTGGCTACCCAGGAGCTGGAGGCTACCCCTCACCTGGAGGTTATCCAGCCCCGGG
 GGCTATCCTGGAACCCTAAATCCAGGGGCTCCTCATCCTATCCTGGAGGTCAAGGCTTTGGGGCCCCAC
 CTGGTGGGGCAGGCTTTTCTGGCTATCCACAGCCACCTGCACAGTCTTACGGCGGTGGACCAGCCAGGT
 TCCAGTCCAGGTGGCTTTCCTGGAGGGCAGATGCCGTCTCAGTACCCCGGAGGACAGTCTCCCTACCC
 GGCCAGCTGCTGCGATGACTCAGGGCACCCAAGGAACAATCCGCCAGCCTCCAACCTCGATGCTATGA
 GAGATGCAGAGATTCTCCGCAAAGCAATGAAGGGGTTGGGACTGATGAGCAAGCGATTGTGGATGTCGT
 GTCTAACCGTTCCAATGACCAGAGGCAACAAATTAAGCAGCTTTTAAGACCATGTATGGCAAGGATTTA
 ATTAAGATCTCAAGTCAGAGTTGAGTGGAAACATGGAAGAATTAATCCTTGCCCTGTTTCATGCCTCCTA
 CATACTATGATGCCTGGAGTTTGCAGGAGCGATACAGGGAGCAGGAACCAAGAGCGTGTGTTGATAGA
 GATTTTGTGCACAAGAACAATCAAGAAATCCGAGACATTGTTAGATGCTATCAATTAGAATTTGGACGC
 GAGCTCGAGAGGGACATTAGATCGGATACCTCAGGACATTTTGAACGGCTCCTCGTGTCCATGTGCCAGG
 GAAACCGTGACGAGAGCCCAAGTATAAACCACCAGATGGCCAGGAAGATGCCAGCGCCTCTATCAGGC
 TGGGGAGGGGAGGCTAGGGACAGACGAATCCTGTTTCAACATGATCCTCGCCACAAGGAGCTTCCCTCAG
 CTGAGAGCCACATGGAGGCTTATTCCAGGATGGCTAATCGAGATTTGCTAAGCAGTGTGAGCCGGGAAT
 TTTCCGGATACGTTGAAAGCGGTTTGAAGACCATATTGCAGTGCGCCCTCAACCGCCTGCCTTCTTCGC
 CGAGCGACTCTACTATTCATGAAAGGCGCTGGAACAGATGACTCCACCTGGTCAGGATTGTGGTCACT
 CGGAGTGAGATTGACCTCGTTAGATAAAACAGATGTTACCCAGATGTATCAGAAGACTAAGCACGA
 TGATTGCAAGTGACACCAGTGGAGATTACAGGAAGCTGCTCCTGGCCATCGTTGGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201123 representing NM_130416
 Red=Cloning site Green=Tags(s)

MSYPGYPPTGYPPFPGYPPAGQESSFPTSGQYPYPSGFPPMGGGAYPPAPSGGYPGAGGYPSGGYPAPG
 GYPGTLNPGGPPSYGGQFGAPPGGAGFSGYPQPPAQS YGGGPAQVVPVGGFPGGQMPSSQYPGGQSPYP
 GQPAAMTQGTQGTIRPASNFDAMRDAEILRKAMKGFGTDEQAIVDVVSNSNDQRQIKAAFKTMYGKDL
 IKDLKSELSGNMEELILALFMPPTYDDAWSLRKAIQGAGTQERVLIEILCTRINQEIRDIVRCYQLEFGR
 ELERDIRSDTSGHFERLLVSMCQGNRDESPSINHQAQEDAQRLLYQAGEGRLGTDESCFNMILATRSFPQ
 LRATMEAYSRLMANRDLSSVSREFSGYVESGLKTLILQCALNRPAFFAERLYYSMKGAGTDDSTLVRIVVT
 RSEIDLVIKQMFQMYQKTLSTMIASDTSGDYRKL LLAIVGQ

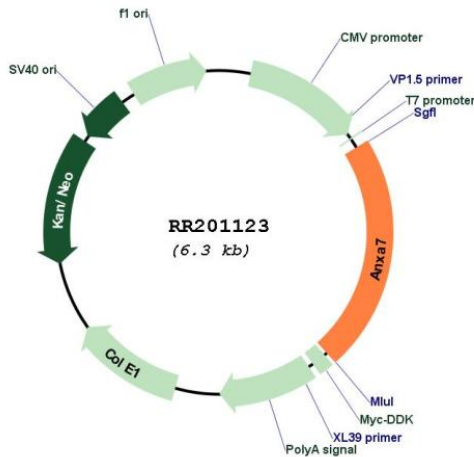
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_130416
ORF Size:	1389 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:	<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_130416.2 , NP_569100.2
RefSeq Size:	1885 bp
RefSeq ORF:	1392 bp
Locus ID:	155423
Cytogenetics:	15p16
MW:	50 kDa
Gene Summary:	may play a role in membrane fusion and exocytosis of lung surfactant [RGD, Feb 2006]