

Product datasheet for **RR202870**

Anxa8 (NM_001031654) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Anxa8 (NM_001031654) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Anxa8
Synonyms: MGC116246
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202870 representing NM_001031654
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCTGGTGGAAAGCCTGGGTTGAACAAGAGGGCGTCAGTGTGAAGGGTAGTTCTCATTTCAACCCAG
ACCCTGATGCAGAGACCCTCTACAAAGCCATGAAGGGGATCGGAACCAACGAGCAGGCCATCATAGACGT
GCTCACCAGAGGAGCAATGTGCAGAGGCAGCAGATTGCCAAGTCCTTCAAGGCTCAATTTGGAAAGGAC
CTCACTGAGACCTAAAGTCAGAGCTGAGTGGCAAATTCGAGAGGCTCATCGTGGCCCTCATGTACCCGC
CATAAGATATGAGGCCAAGGAGCTGCACGACGCTATGAAGGGCTTAGGAACCAAGAAGGAGTCATCAT
TGAGATCCTGGCTTCTCGGACCAAGAACCAGCTGAGAGAGATAATGAAGGCCTATGAGGAAGACTACGGA
TCTACCCTGGAAGAAGACATCCAAGGAGACACGAGTGGCTATCTGGAGCGGATTCTGGTGTCTTCTGC
AGGGCTGCAGAGATGACGTGAGTGGTTTTGTGGACCCAGGACTGGCCCTTCAAGATGCACAGGACCTGCA
TGCAGCAGGTGAGAAGATTCTGGGGACTGATGAGATGAAGTTCATCACCATCCTGTGTACACGCAGTGCC
ACTCATCTGATGAGAGTGTTCGAGGAATATGAAAAGATTGCCAACAGAGCATTGAGGATAGCATCAAGA
GTGAGACCCATGGTTCCTGAGGAGGCCATGCTCACTGTGGTGAATGCACCCGGAACGTCACAGCTA
CTTTGCAGAGAGACTGTACTATGCCATGAAGGGAGCAGGACACTTGATGGGACGCTGATCAGGAACATT
GTTTCCAGGAGTGAGATTGACTTAAACCTTATCAAGAGTCAGTTTCAGAAGATGTACGGCAAGACTCTCA
GCAGCATGATCATGGCGACACCAGCGTTACTACAAGACTGCCCTGCTGAACCTTGTGGTACTGACCT
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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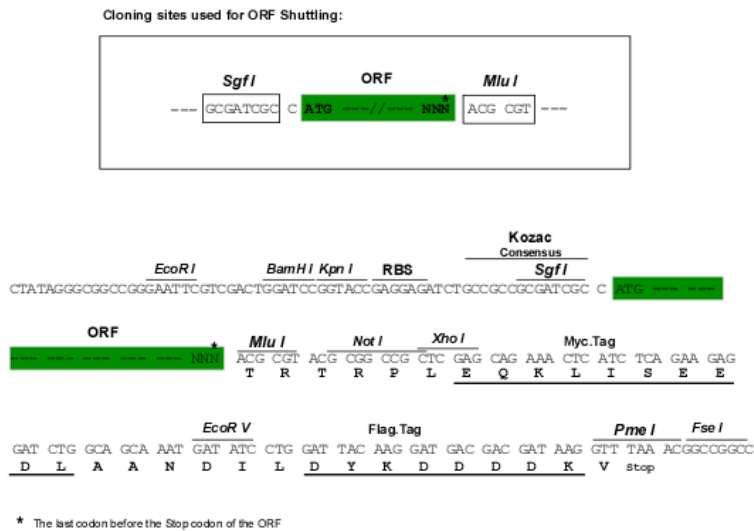
Protein Sequence: >RR202870 representing NM_001031654
 Red=Cloning site Green=Tags(s)

MAWWKAWVEQEGVSVKGS SHFNPDPDAETLYKAMKIGITNEQAIIDVLT KRSNVQRQQIAKSFKAQFGKD
 LTETLKSEL SGKFERLIVALMYPPYRYEAKELHDAMKGLGTKEGVIEILASRTKNQLREIMKAYEEDYG
 STLEEDIQGDTSGLYERILVCLLQGCRDDVSGFVDPGLALQDAQDLHAAGEKILGTDEMKFITILCTRSA
 THLMRVFEEYEKIANKSIEDSIKSETHGSLEEAMLT VVKCTRNVHSYFAERLYYAMKGAGTLDGTLIRNI
 VSRSEIDLNLIKSQFQKMYGKTLSSMIMGDTSGYYKTALLNLVGTDL

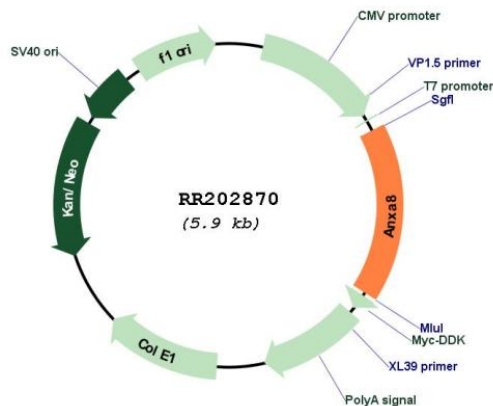
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001031654

ORF Size: 981 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_001031654.1 , NP_001026824.1
RefSeq Size:	1856 bp
RefSeq ORF:	984 bp
Locus ID:	306283
UniProt ID:	Q4FZU6
Cytogenetics:	16p15
MW:	36.7 kDa
Gene Summary:	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. [UniProtKB/Swiss-Prot Function]