

Product datasheet for **RR206932**

Anxa3 (NM_012823) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa3 (NM_012823) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anxa3
Synonyms:	Anx3; LC3; LRRGT00047
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206932 representing NM_012823 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCGCTTTTGTGGTTGGACCTCGAGGGACCATAAACAATTATCCAGGCTTTAACCCATCAGTGG
ATGCCGAAGCTATCCGAAAGCAATCAAAGGAATTGGAAGTACGAGAAAACCTCATCAACATTCTGAC
GGAGCGGTGCAACGCACAGCGGCAGCTGATTGTCAAGCAGTATCAAGAGGCATATGAACAGGCGCTGAAA
GCTGACTTGAAGGGTATCTCTCGCCACTTTGAGCATGTCATGGTGGCTCTTATTACTGCACCGGCCG
TGTTTGATGCCAAGCAACTGAAGAAATCCATGAGGGGCATGGGCACAGATGAAGACACCCCTGATTGAAAT
CTTAACAACCAGGACAAGCAGGCAGATGAAGGAGATCTCGCAGGCCTATTATACAGCATATAAGAAGAAT
CTCAGAGATGACATTAGCTCTGAAACGTCTGGAGACTTCCGAAAGCTCTGCTGACTTTGGCAGATGGTG
GAAGAGACGAAAGCCTGAAAGTGGATGAACATCTGGCCAAAAAGATGCCAGACCCTCTACGATGCTGG
TGAGAAAAATGGGGCACGGATGAAGACAAATCACCGAGATCCTGTGTCTACGGAGCTTTCCGCAGCTG
AAACTGACATTTGATGAGTACAGAAACATTAGTCAGAAGGACATTGAGGACAGCATTAAAGGAGAATTAT
CTGGGCATTTTGAAGACCTGCTGCTGGCCGTAGTTCGCTGTACGAGGAACACCCAGCTTTTTTGGCAGG
AAGACTTCATCAGGCTTTGAAGGGAGCTGGAACAGATGAATTCATCTGAACAGAATAATGGTCTCCAGA
TCAGAGATTGACCTTCTGGACATCCGACGTGAGTTCAAGAAGCACTACGGCTGCTCTTATACTAGCCA
TCCAATCAGATACTTCTGGAGACTACAGAACTGTGCTGTTGAAGATCTGTGGAGGAGATGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206932 representing NM_012823
 Red=Cloning site Green=Tags(s)

MAASLWVGPRGTINYPGFNPSVDAEAIKKAIRKAIKIGTDEKTLINILTERSNAQRQLIVKQYQEAYEQALK
 ADLKGDL SGHFEHVMVALITAPAVFDAKQLKKS MRGMGTDEDTLIEILTRTRSQRQKEISQAYYTAYKKN
 LRDDISSETSGDFRKALLTLADGGRDESLKVDEHLAKKDAQTL YDAGEKKWGTDEDKFEILCLRSFPQL
 KLTFDEYRNISQKDIEDSIK GELSGHFEDLLLAVVRCRTRNTPAFLAGRLHQALKGAGTDEFTLNRIMVSR
 SEIDLLDIRREFKKHYGCSLYSAIQSDTSGDYRTVLLKICGGDD

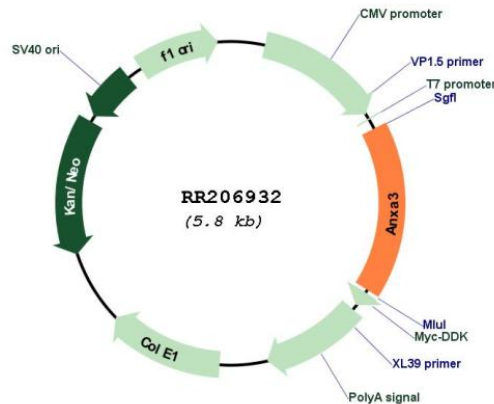
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012823

ORF Size: 972 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_012823.2 , NP_036955.2
RefSeq Size:	3392 bp
RefSeq ORF:	975 bp
Locus ID:	25291
UniProt ID:	P14669
Cytogenetics:	14p22
MW:	36.4 kDa
Gene Summary:	inhibits phospholipase A2 activity [RGD, Feb 2006]