

Product datasheet for **RR204988**

Anxa1 (NM_012904) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa1 (NM_012904) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anxa1
Synonyms:	Anx1; p35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR204988 representing NM_012904 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAATGGTATCAGAATTCCTCAAGCAGGCCTGCTATATTGAAAAGCAAGAGCAGGAATATGTTCAAG
CTGTAACCTACAAAGGTGGTCTGGATCAGCAGTGAAGCCCTACCCTTCCTCAATCCGTCCTCGGA
TGTTGCTGCCTTGACAAAGCTATCATGGTTAAAGGTGTGGATGAGGCAACCATCATTGACATCCTTACC
AAGAGAACCAATGCTCAGCGCCAGCAGATCAAGGCAGCATACTTACAGGAGACTGGGAAGCCCTGGATG
AAACCTTGAAAAAGCCCTTACGGGCCACCTGGAGGAGTTGTTTGGCTATGCTCAAGACCCAGCTCA
GTTTGATGCAGATGAACTCCGTGCTGCCATGAAGGGACTTGAAACAGATGAAGACTCTCATTGAGATT
TTGACAACAAGATCTAACCAGCAATCAGAGAGATTACTAGAGTCTACAGAGAAGAGCTGAAAAGAGATC
TGGCCAAAGACATCACTTCGGACACATCTGGAGACTTTCGTAATGCCTTGCTTCGCCAAGGGTGA
TCGCTGTGAGGATATGAGTGTGAATCAAGATTTGGCTGATACAGATGCCAGGGCTTTGTATGAAGCTGGA
GAAAGGAGAAAGGGACAGACGTGAATGTGTTCAATAAATTTGACCACAAGAAGCTATCCTCATCTTC
GGAAAGTGTTCAGAATTATAGAAAGTACAGTCAACATGACATGAACAAAGCCCTGGATCTGGAAGTGA
GGGTGACATTGAGAAGTGCCTCACAAACATTGTGAAGTGTGCCACCAGCACTCCAGCTTTCTTTGCTGAG
AACTGTATGAAGCCATGAAGGGTGTGGAAGTGCATGAAGCATTGATCAGGATTATGGTCTCCCGTT
CGGAAATTGACATGAATGAAATCAAAGTATTTTACCAGAAGAAGTACGGAAATCCCTCTCGCCAAGCCAT
CCTGGATGAAACCAAAGGAGACTATGAAAAATCCTGGTGGCTCTGTGTGAGGAAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204988 representing NM_012904
Red=Cloning site Green=Tags(s)

MAMVSEFLKQACYIEKQEYEVQAVKSYKGGPGSAVSPYPSFNPSSDVAALHKAIMVKGVDEATIIDILT
 KRTNAQRQIKAAAYLQETGKPLDETLKKALTGHLEEVVLA MLKTPAQFDADELRAAMKGLGTDEDTLIEI
 LTTRSNNQIREITRVYREELKRDLAKDITSDTSGDFRNALLALAKGDRCDMSVNQDLADTDARALYEAG
 ERRKGTDVNVFNTILTTRSYPHLRKVFQNYRKYSQHDMNKALDLELKGDIKCLTTIVKCATSTPAFFAE
 KLYEAMKGAGTRHKTLIRIMVSRSEIDMNEIKVFYQKKYGIPLCQAILDETKGDYKILVALCGGN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3458_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_012904

ORF Size: 1038 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_012904.2](#), [NP_037036.1](#)

RefSeq Size: 1401 bp

RefSeq ORF: 1041 bp

Locus ID: 25380

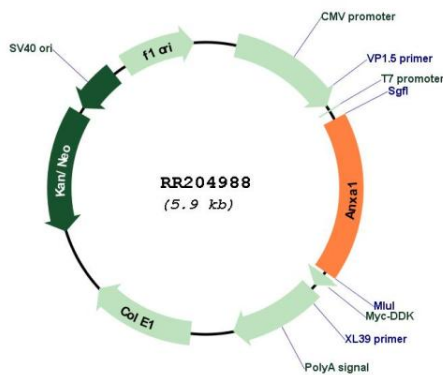
UniProt ID: [P07150](#)

Cytogenetics: 1q51

MW: 38.8 kDa

Gene Summary: plays a role in regulation of insulin secretion; may inhibit phospholipase A2 [RGD, Feb 2006]

Product images:



Circular map for RR204988