

Product datasheet for RR212023

Anxa5 (NM_013132) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa5 (NM_013132) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anxa5
Synonyms:	Anx5; LC5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212023 representing NM_013132 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCTCAGAGGCACCGTGACTGACTTCTCTGGATTGACGGCAGGGCTGATGCCGAAGTTCTTCGGA
AGGCCATGAAAGGCTTGGGCACCGACGAGGACAGCATCCTGAACCTGTTGACAGCCCGGAGCAACGCTCA
GCGCCAGCAGATTGCTGAGGAGTTAAGACTCTGTTTGGCAGGGACCTTGTGAATGACATGAAGTCTGAA
CTGACCGGAAAGTTTGAAGTTAATTGTGGCTTTGATGAAGCCCTCCCGGCTCTACGACGCTACGAGC
TGAAACACGCTCTTAAGGGAGCTGGGACAGATGAGAAAGTGTGACTGAAATCATTGCCTCAAGGACACC
TGAAGAGCTCAGGGCCATAAAACAAGCTTATGAAGAAGAATATGGTTCCAACCTGGAAGATGATGTGGTG
GGGATACCTCAGGGTACTACCAGAGGATGTTGGTGGTCTCCTCAGGCCAATAGAGACCCTGACACTG
CAATTGATGATGCTCAAGTTGAAGTGGATGCTCAGGCATTGTTCCAGGCTGGAGAGCTGAAGTGGGGAC
GGATGAAGAAAAGTTCATCACCATCCTTGGGACACGCAGTGTGTCTCATTTAAGAAGAGTGTGGACAAG
TACATGACAATATCAGGATTTAGATTGAGGAAACCATTGACCGAGAGACCTCAGGGAACCTGGAGAAT
TACTCTGGCTGTCGTGAAGTCTATTCGGAGCATACCTGCCTACCTTGCAGAGACCCTCTACTATGCTAT
GAAGGGTCTGGGACGGACGATCACCCCTCATCAGAGTCATAGTGTGCGAGGAGTGAGATTGATCTGTTT
AACATCAGGAAGGAGTTTAGGAAGAACTTCGCCACGTCCCTGTACTCTATGATCAAGGGCGACACATCTG
GAGACTATAAGAAGGCCCTGCTGCTCCTGTGGAGGCGAGGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212023 representing NM_013132
Red=Cloning site Green=Tags(s)

MALRGVTDFSGFDGRADAEVLRKAMKGLGTDEDSILNLLTARSNAQRQQIAEEFKTLFGRDLVNDMKSE
 LTGKFELIVALMKPSRLYDAYELKHALKGAGTDEKVLTEIIASRTPEELRAIKQAYEEEEYGSNLEDDVV
 GDTSGYYQRMVLVLLQANRDPDTAIDDAQVELDAQALFQAGELKWTDEEKFITILGTRSVSHLRRVFDK
 YMTISGFQIEETIDRETSGNLENLLLAVVKSIRSIPAYLAETLYAMKGAGTDDHTLIRIVIVSRSEIDL
 NIRKEFRKNFATSLYSMIKGDTSGDYKALLLLCGGEDD

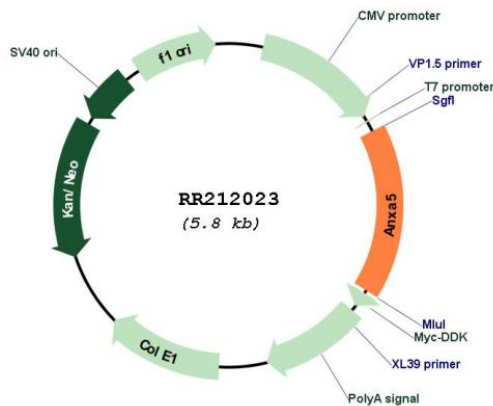
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013132

ORF Size: 957 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_013132.1 , NP_037264.1
RefSeq Size:	1417 bp
RefSeq ORF:	960 bp
Locus ID:	25673
UniProt ID:	P14668
Cytogenetics:	2q25
MW:	35.7 kDa
Gene Summary:	displays calcium dependent binding to phospholipid membranes [RGD, Feb 2006]