

Product datasheet for **MR222647**

Anxa6 (NM_001110211) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa6 (NM_001110211) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anxa6
Synonyms:	Anx6; AnxVI; AW107198; Cabm; Camb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222647 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCAAAATAGCACAGGGTGCCATGTACCGAGGCTCTGTCCAGCACTCCAGAGTTTGACGCCAAATC
 AGGATGCTGAGGCCTTGTACACAGCCATGAAGGGCTTCGGCAGTGACAAGGAGTCCATACTGGAGCTGAT
 CACCTCCCGCAGCAACAAGCAGAGGCAGGAGATCTGCCAGAGTTACAAGTCCCTGTATGGCAAGGACCTC
 ATCGAAGACTTGAAGTATGAGTTGACGGGGAAGTTCGAGCGGCTGATAGTGAACCTGATGAGGCCACTTG
 CCTATTGTGACGCCAAAGAGATTAAGACGCCATCTCGGGCATTGGCACAGATGAGAAGTGCCTCATTGA
 AATTTTGGCTTCCCGACCAATGAACAGATGCACCAGCTGGTGGCCGCATACAAAGACGCCTATGAGCGA
 GACCTGGAATCTGACATCATTGGAGACACTTCCGGCCACTCCAGAAGATGCTGGTGGTACTGCTCCAGG
 GAACCCGGGAGAATGACGATGTTGTGAGCGAGGATTTGGTCCAGCAGGATGTCCAGGACCTGTATGAGGC
 AGGGGAAGTAAAATGGGGAACAGATGAGGCCAGTTCATCTACATCTTGGGAAACCGTAGCAAACAGCAC
 CTACGACTGGTGTGTTGATGAGTATCTGAAGACCACAGGGAAGCCATCGAAGCCAGTATCAGAGGGGAGC
 TGCTGGAGACTTTGAGAAGCTGATGTTGGCCGTGGTGAAGTGCATCCGAAGCACCCCGGAGTATTTTGC
 AGAAAGGCTGTTCAAAGCCATGAAGGGCTAGGGACCCGAGACAACACTCTGATCCGCATCATGGTCTCC
 AGGAGCGAGCTGGATATGCTTGACATCCGGGAGATCTTCCGGACCAAGTATGAGAAGTCACTCTACAGCA
 TGATCAAGAAATGATACTTCCGGTGAATACAAGAAGGCTCTGCTGAAGCTGTGTGGAGGAGATGATGATGC
 CGCTGGCCAGTCTTCCCGGAGGCAGCACAGGTGGCCTATCAGATGTGGGAACTTAGTGCAGTGTCCCGA
 GTCGAGCTGAAGGTAAGTGTGTGTCAGCAATGATTTCAACCTGACGCCGATGCCAAGGCCCTGCGGA
 AAGCCATGAAGGGAATTGGAAGTGAAGCCACCATCATCGACATCGTCAACCCAGGAGCAACGCCCA
 GCGGCAGCAGATCCGGCAGACCTTCAAATCTCACTTTGGCCGGGATTTAATGGCTGACCTGAAGTCAGAG
 ATCTCGGGAGACCTGGCAAGGCTGATTCTGGGGCTCATGATGCCACCTGCCATTACGATGCTAAGCAGC
 TGAAGAAAGCTATGGAGGGAGCCGGCACAGATGAAAAGACTCTCATAGAAATCCTGGCCACCCGGACCAA
 TGCTGAAATCCGGGCCATCAACGAGGCCTACAAGGAGGATTATCACAAAGTCCCTGGAGGATGCCTTGAGC
 TCAGACACATCTGGCCACTTCAGAAGGATTCTCATTTCTGACCACGGGAAATCGAGAGGAAGGAGGAG
 AAAACCGGACCAGGCCAGGAAGTGCCAGGAAATAGCAGACACCCAGCGGAGACAAAACCTCCTT
 GGAGACACGCTTCATGACCGTCTGTGCACCCGTAGCTATCCCCACCTGCGCAGAGTCTTCCAGGAGTTC
 ATCAAGAAGACCAACTATGACATAGAGCATGTCATCAAGAAGGAGATGTCTGGGACGTCAAGGACGCAT
 TTGTGGCCATCGTTCAGAGTGTCAGAACAAGCCTCTCTTTTCTGCTGATATACTGTACAAGTCCATGAA
 GGGTGCTGGCACAGATGAGAAGACCTCACCAGGGTATGGTGTCTCGGAGTGAGATAGATCTGCTCAAC
 ATCCGGAGGGAATTCATTGAGAAATATGACAAGTCTCTACACCAAGCCATTGAGGGTGACACCTCTGGAG
 ACTTATGAAGGCTTTGCTTGTCTGTGTGGCGGAGAGGAC

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222647 protein sequence
Red=Cloning site Green=Tags(s)

MAKIAQGAMYRGSVHDFPEFDANQDAEALYTAMKGFSDKESILELITSRSNKQRQEICQSYKSLYGKDL
 IEDLKYELTGKFERLIVNLMRPLAYCDAKEIKDAISGIGTDEKCLIEILASRTNEQMHQLVAAYKDAYER
 DLESDIIGDTSGHFQKMLVLLQGTRENDVVSDELVQQDVQDLYEAGELKWGTDEAQFIYILGNRSKQH
 LRLVFDEYLKTTGKPIEASIRGELSGDFEKLMLAVVKCIRSTPEYFAERLFKAMKGLGTRDNTLIRIMVS
 RSELDMLDIREIFRTKYEKSLYSMIKNDTSGEYKALLKLCGGDDDAAGQFFPEAAQVAYQMWELSAVSR
 VELKGTVCAANDFNPDADAKALRKAMKIGTDEATIIDIIVTHRSNAQRQQIRQTFKSHFGRDLMADLKSE
 ISGDLARLILGLMPPAHYDAKQLKKAMEGAGTDEKTLIEILATRTNAEIRAINAEYKEDYHKSLEDALS
 SDTSGHFRRILISLATGNREEGGENRDQAQEDAQEIADTPSGDKTSLETRFMTVLCTRSYPHLRRVFQEF
 IKKTNYDIEHVIKKEMSGDVKDAFVAIVQSVKNKPLFFADILYKSMKGAGTDEKTLTRVMVSRSEIDLLN
 IRRFIEKYDKSLHQAIEGDTSGDFMKALLALCGGED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001110211

ORF Size: 2004 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:

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_001110211.1](#), [NM_001110211.2](#), [NP_001103681.1](#)

RefSeq Size: 2643 bp

RefSeq ORF: 2004 bp

Locus ID: 11749

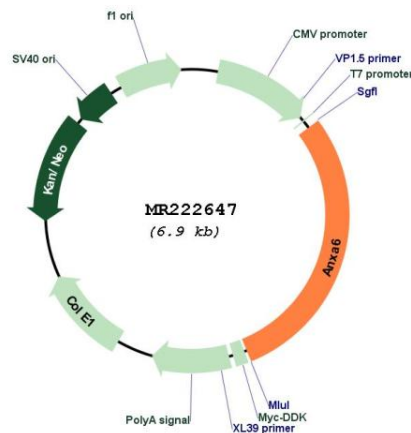
UniProt ID: [P14824](#)

Cytogenetics: 11 32.13 cM

MW: 75.3 kDa

Gene Summary: May associate with CD21. May regulate the release of Ca(2+) from intracellular stores. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222647