

Product datasheet for MR204573

Anxa13 (NM_027211) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa13 (NM_027211) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anxa13
Synonyms:	1810034H17Rik; AV055219
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204573 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAATCGTCATGCCAAAGAGAGAAGCCATCACCACGGCTTTGATGCAGACCGAGATGCCAAAAAGC
TGTACAAAGCCTGCAAAGGAATGGGAACGGATGAAGCAGCCATCATTGAAGTCTTATCCAGCAGGACATC
GGAGGAGAGGCAACAGATAAAGCAGAAGTACAAGGAGAAGTATGGCAAGGACTTAGAGGAGGTGCTTAAC
AGTGAAGTGAAGTGAAGTCAAGAAGACAGCTTTGGCCCTTCTGGATCGGCCCAATGAGTACGCCGCAC
GGCAGCTGCAGAAAGCTATGAAGGGCGTAGGCACCGACGAGGCCATGCTCATAGAGATCCTATGCACACG
AAGCAACAAGGAAATTTGTCGCCATCAAAGAAGCTTACCAAAGGCTATTTGGCAGGAGCCTTGAATCTGAT
GTCAAAGAAGACACAAGTGGAAACCTGAGAAAAGATTCTGGTGTCCCTGTTACAGGCCAGTCGTGATGAAG
AAGACACTGTGGACAAGGAATTGGCTGGTCAGGATGCCAAAGATTTGATGATGCAGGCGAAGGTCGCTG
GGCAGTACGCAACTTGCCTTCAATGAAGTCTGGCCAAGAGGAGCTACAAGCAGTTGCGCGCCACCTTT
CAAGCTTATCAGATTCTCATTGGCAAAGACATGGAAGAAACCATTGAAGAAGAGACATCGGGAGACTTGA
AGAAGGCTATTTAACTATAGTGAGATGTGCCAGGACCTTGAGGGCTATTTGCTGACCTACTATACAA
GGCCATGAAGGGTATGGGGACAGATGAGGAGACATTAATTCGCATCATTGTGACCAGAGCAGAGGTTGGAC
CTGCAGGGGATAAAGGCCAAGTTCAGGAGAAGTATCAGAAGTCTCTCTGACATGGTTCACTCAGATA
CCTCTGGGGACTTCCGGAAACTGCTGGTAGCTCTCTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204573 protein sequence
Red=Cloning site Green=Tags(s)

MGNRHAKERSHHHGFADDRDAKKLYKACKGMGTDEAAIEVLSSRTSEERQQIKQYKEKYKGDLEEVLN
 SELSGNFKKTALALLDRPNEYAARQLQKAMKGVGTDEAMLEILCTRSNKEIVAIKEAYQRLFGRSLESD
 VKEDTSGNLRKILVSLLOASRDEEDTVDKELAGQDAKLDYDAGEGRWGTDELAFNEVLAKRSYKQLRATF
 QAYQILIGKDMEEETIEEETSGDLKKAYLTIVRCAQDLEGYFADLLYKAMKGMGTDEETLIRIIVTRADEV
 LQGIKAKFQEKYQKSLSDMVHSDTSGDFRKLVLVLLH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_027211

ORF Size: 954 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_027211.2](#)

RefSeq Size: 1408 bp

RefSeq ORF: 954 bp

Locus ID: 69787

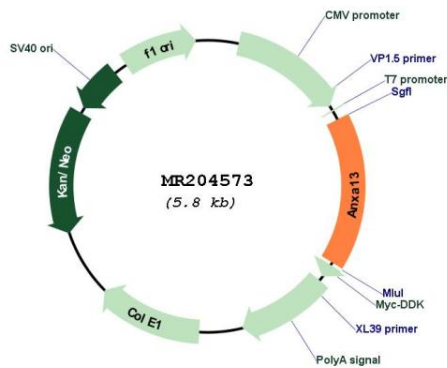
UniProt ID: [Q99JG3](#)

Cytogenetics: 15 24.66 cM

MW: 35.9 kDa

Gene Summary: Binds to membranes enriched in phosphatidylserine or phosphatidylglycerol in a calcium-dependent manner. Half-maximal membrane binding requires about 60 uM calcium. Does not bind to membranes that lack phospholipids with an acidic headgroup.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204573