

Product datasheet for MR204602

Anxa5 (NM_009673) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa5 (NM_009673) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anxa5
Synonyms:	Anx5; R74653
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204602 representing NM_009673 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACGAGAGGCACTGTGACTGACTTCCTGGATTTGATGGCAGGGCTGATGCAGAAGTCCTCGGA
AGGCCATGAAAGGCTTGGGTACCGATGAGGACAGCATCCTGAACCTGTTGACATCCCGAAGCAATGCTCA
GCGCCAGGAAATTGCTCAGGAGTTAAGACTCTGTTTGGCAGGGACCTTGTGGATGACCTGAAGTCTGAA
CTGACTGGAAAGTTTGAAGTTAATTGTGGCTATGATGAAGCCCTCACGACTCTACGATGCCTACGAGC
TGAAGCATGCTCTTAAGGGAGCTGGTACAGATGAGAAAGTATTGACCGAGATTATTGCTCAAGGACACC
TGAAGAACTCAGTGCCATAAAACAAGTTTATGAAGAAGAATATGGTTCCAACCTGGAAGATGATGTGGTG
GGGATACTTCAGGGTACTACCAAAGGATGTTGGTGGTCTCCTTCAGGGGAATAGAGACCTGATACTG
CAATTGATGATGCTCAAGTTGAACTGGATGCTCAGGCATTGTTCCAGGCTGGAGAGCTGAAGTGGGGAC
AGATGAAGAAAAATTCATCACCATCTTTGGGACACGCAGTGTGTCTCATTTAAGAAGAGTGTGACAAG
TACATGACCATATCAGGATTTAGATTGAGGAAACCATTGATCGGGAGACCTCGGGAACTTGGAGCAGC
TGCTCCTGGCTGTTGTGAAGTCTATTCGGAGCATACCTGCCTACCTGCAGAGACCTCTACTATGCCAT
GAAGGGTGCTGGGACGGACGATCACACCCTCATCAGAGTCGTGGTGTGAGGAGTGAGATTGACCTGTTT
AACATAAGGAAGGAGTTTAGGAAGAAGTTCGCCACCTCCCTGTACTCTATGATCAAGGGCGACACATCTG
GAGACTATAAGAAGGCCCTGCTGCTGCTGCTGCGGGGGCAGGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204602 representing NM_009673
 Red=Cloning site Green=Tags(s)

MATRGTVTDFPGFDGRADAEVLRKAMKGLGTDEDSILNLLTSRSNAQRQEIAQEFKTLFGRDLVDDLKSE
 LTGKFEKLI VAMMKPSRLYDAYELKHALKGAGTDEKVLTEIIASRTPEELSAIKQVYEEYGSNLEDDVV
 GDTSGYYQRM LVLLQGNRDPDAIDDAQVELDAQALFQAGELKWTDEEKFITIFGTRSVSHLRRVFDK
 YMTISGFQIEETIDRETSGNLEQLLLAVVKSIRSIPAYLAETLYAMKGAGTDDHTLIRVVVSRSEIDLF
 NIRKEFRKNFATSLYSMIKGDTSGDYKALLLLCGGEDD

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_009673

ORF Size: 957 bp

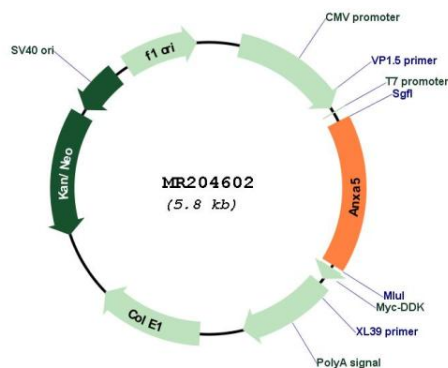
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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:	<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:	<u>NM_009673.1, NM_009673.2, NP_033803.1</u>
RefSeq Size:	1533 bp
RefSeq ORF:	960 bp
Locus ID:	11747
UniProt ID:	<u>P48036</u>
Cytogenetics:	3 17.46 cM
MW:	36.2 kDa
Gene Summary:	This protein is an anticoagulant protein that acts as an indirect inhibitor of the thromboplastin-specific complex, which is involved in the blood coagulation cascade. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204602