

Product datasheet for **MG204604**

Anxa4 (NM_013471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa4 (NM_013471) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anxa4
Synonyms:	AI265406; AIV; Anx4; AW106930; Xanx-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204604 representing NM_013471 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAGCCAAAGGAGGAACCGTGAAAGCTGCTTCAGGATTCAACGCAACTGAAGATGCCAGACCCTGA
GGAAGGCCATGAAAGGCCTCGGTACTGATGAAGATGCCATTATCGGAATCTTAGCCTACAGAAACACCGC
CCAGCGCCAGGAGATCAGGAGTGCCTACAAGAGCACCATTGGCAGGGACCTGATTGAGGACTTGAAGTCG
GAGCTGAGCAGCAACTTTGAGCAGGTGATCCTGGGGCTGATGACACCCACAGTGTGTATGACGTACAGG
AGCTGCGGAGGGCCATGAAGGGAGCTGGCAGGACGAGGGCTGTCTGATTGAGATCCTGGCCTCTCGTAC
CCCTGAGGAGATCCGTGCAATCAACCAGACATACCAGCAGCAATATGGAAGGAGCCTTGAAGAGGACATC
TGCTCTGACACATCCTTCATGTTCCAGCGAGTACTGGTGTCCCTGTGCGCGGCTGGCAGGGATGAAGGAA
ATTACCTTGATGATGCTCTTATGAAGCAGGACGCCAGGAACTGTATGAGGCTGGAGAGAAGAGATGGGG
GACAGACGAGGTGAAATTCCTAAGCATTCTGTGCCGGAACCGGAACCATCTGCTCCACGTGTTTGAT
GAATACAAAAGAATCTCACAGAAGGACATTGAACAGAGCATTAACTCTGAGACATCTGGAAGCTTTGAAG
ATGCCCTGTTGGCTATAGTGAAGTGCATGCGGAGTAAACCTTCATATTTGCTGAGAGACTTTATAAATC
CATGAAGGGCTTAGGCACTGATGACAACCCCTCATCAGAGTATGGTCTCAAGAGCAGAGATTGACATG
CTGGACATCCGGGCGAGCTTCAAGAGGCTTACGGGAAGTCTTTGTACTTTTCATCAAGGGTGACACTT
CCGGAGACTACAGGAAGGTTCTGCTCATTCTCTGTGGAGGAGATGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204604 representing NM_013471
 Red=Cloning site Green=Tags(s)

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MEAKGGTVKAASGFNATEDAQTLRKAMKGLGTDEDIIGILAYRNTAQRQEIRSAKYKSTIGRDLIEDLKS
ELSSNFEQVILGLMTPTVLYDVQELRRAMKAGTDEGCLIEILASRTPEEIRRINQTYQQYGRSLEEDI
CSDTSFMFQRVLVSLAAGRDEGNLDDALMKQDAQELYEAGEKRWGTDEVKFLSILCSRNRNHLHVFV
EYKRISQKDIEQSIKSETSGSFEDALLAIVKCMRSKPSYFAERLYKSMKGLGTDNTLIRVMVSRAEIDM
LDIRASFKRLYGKSLYSFIKGDTSGDYRKVLLILCGGDD
```

TRTRPLE - GFP Tag - V

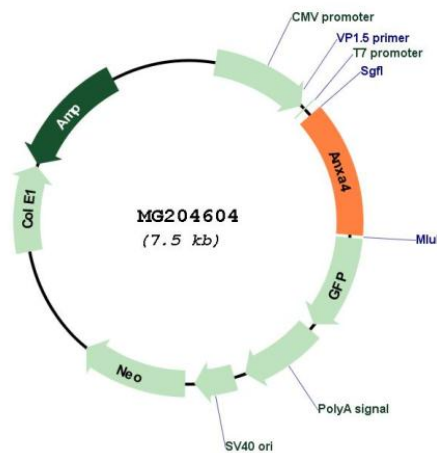
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_013471

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_013471.1 , NP_038499.1
RefSeq Size:	1961 bp
RefSeq ORF:	960 bp
Locus ID:	11746
UniProt ID:	P97429
Cytogenetics:	6 37.75 cM
Gene Summary:	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.[UniProtKB/Swiss-Prot Function]