

Product datasheet for **MG225544**

Anxa7 (NM_009674) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Anxa7 (NM_009674) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Anxa7 |
| Synonyms: | AI265384; AI316497; Anx7; synexin |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG225544 representing NM_009674
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATACCCAGGCTATCCCCCACC GGCTACCCGCCTTCCCTGGATATCCTCCTGCAGGTCAGGAGT
 CATCTTTCCCACTGCGGGTCAGTACCCGTACCCTAGTGGCTTTCCACCAATGGGAGGAGGTGCTTACCC
 ACCAGCACCAAGTGGTGGGTATCCAGGAGCTGGAGGCTACCCCGACCTGGAGGTTATCCAGCCCCTGGG
 GGCTATCCTGGAGCCCTAAGTCCAGGGGTCTCCAGCCTATCCTGGAGGCCAAGGCTTTGGGGCCCCAC
 CCGGTGGAGCAGGCTTTCTGGCTATCCACAGCCACCTGCACAGTCTTATGGTGGCGGACCAGCCCAGGT
 TCCAGTACCAGGTGGCTTCTGGAGGACAGATGCCATCTCAGTACCCTGGAGGACAAGCTCCCTACCT
 AGCCAGCCCGCTTCGATGACTCAGGGCACCAAGGAACAATCCTCCAGCCTCCAACCTTTGATGCTATGA
 GAGATGCAGAAATCTCCGCAAAGCAATGAAAGGGTTGGGACAGACGAGCAAGCAATTGGGATGTTGT
 GTCTAACCGTTCCAATGACCAGAGGCAACAATCAAAGCAGCTTTAAGACCATGTATGGCAAGGATTTA
 ATTAAGATCTCAAGTCAGAAATGAGTGGGAATATGGAAGAATTAATCCTTGCGCTGTTCATGCCTTCTA
 CATACTATGATGCCTGGAGCTTACGGAAGGCAATGCAGGGAGCAGGAACCAAGAACGTGTATTGATAGA
 GATTTTGTGCACAAGAACAATCAAGAAATTCGAGACATTGTTAGATGTTACCAATTAGAATTTGGACGA
 GACCTTGAGAAGGACATTAGGTCAGATACCTCGGGACATTTTGAACGTCTCCTCGTGTCCATGTGCCAGG
 GAAACCGTGACGAGAGGCAGAGCGTGAACCACCAGATGGCCCAGGAGGACGCTCAGCGTCTCTATCAGGC
 CGGGGAGGGGAGACTGGGAACGGATGAATCCTGTTTCAACATGATTCTCGCCACAAGGAGCTTCCCTCAG
 CTGAAGGCCACTATGGAGGCTTATCCAGGATGGCTAATCGCGATTTGCTAAGCAGTGAAGCCGAGAAT
 TTTGGGATACGTTGAAAGTGGTTTGAAGACCATCTTGCAGTGGCCCTCAACCGCCTGCCTTCTTTGC
 TGAACGACTCTACTATTCATGAAAGGCGCTGGCACGGAGACTCCACCCTGGTACGATTGTGGTCACT
 CGAAGTGAGATTGACCTTGTTCAGATAAAAACAGATGTTCAACCAGATGTATCAGAAGACCCTAAGCACAA
 TGATCGCAAGTGACACGAGTGGAGATTACAGGAAGCTGCTCCTGGCCATCGTTGGCCAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG225544 representing NM_009674
 Red=Cloning site Green=Tags(s)

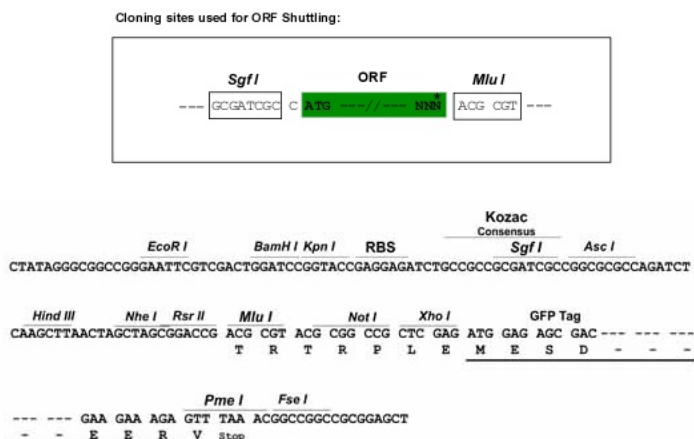
MSYPGPPTGYPPFPYPPAGQESSFPTAGQYPYPSGFPPMGGGAYPPAPSGGYPGAGGYPAPGGYPAPG
 GYPGALSPGGPPAYPGGQFGAPPGGAGFSGYPPPAQSYGGGPAQVVPVPGGFPGGQMPSSQYPGGQAPYP
 SQPASMTQGTQGTILPASNFDAMRDAEILRKAMKGFGTDEQAIVDVVSNSNDQRQKAAFKTMYGKDL
 IKDLKSEL SGNMEELILALFMPSTYYDAWLSRKAMQAGTQERVLIEILCTR TNQEIRDIVRCYQLEFGR
 DLEKDIRSDTSGHFERLLVSMCQGNRDERQSVNHQMAQEDAQRLYQAGEGRLGTDESCFNMILATRSFPQ
 LKATMEAYS RMANRDLLSSVSREFSGYVESGLKTIILQCALNRPAFFAERLYYSMKGAGTDDSTLVRIVVT
 RSEIDL VQIKQMFTQMYQKTLSTMIASDTSGDYRKL LLLAIVGQ

TRTRPLE – GFP Tag – V

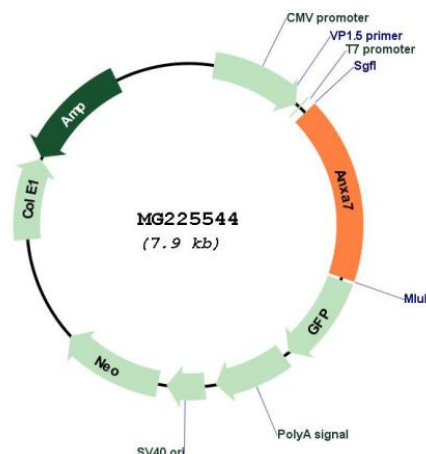
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009674

ORF Size: 1389 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.

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| 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_009674.3</u> , <u>NP_033804.2</u> |
| RefSeq Size: | 2965 bp |
| RefSeq ORF: | 1392 bp |
| Locus ID: | 11750 |
| UniProt ID: | <u>Q07076</u> |
| Cytogenetics: | 14 11.53 cM |
| Gene Summary: | Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.[UniProtKB/Swiss-Prot Function] |