

Product datasheet for **MR225546**

Anxa7 (NM_001110794) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anxa7 (NM_001110794) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anxa7
Synonyms:	AI265384; AI316497; Anx7; synexin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225546 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCATACCCAGGCTATCCCCCACC GGCTACCCGCCTTCCCTGGATATCCTCCTGCAGGTCAGGAGT
 CATCTTTCCCACTGCGGGTCACTACCCGTACCCTAGTGGCTTTCCACCAATGGGAGGAGGTGCTTACCC
 ACCAGCACCAAGTGGTGGGTATCCAGGAGCTGGAGGCTACCCCGACCTGGAGGTTATCCAGCCCCTGGG
 GGCTATCCTGGAGCCCTAAGTCCAGGGGTCTCCAGCCTATCCTGGAGGCCAAGGCTTTGGGGCCCCAC
 CCGGTGGAGCAGGCTTTCTGGCTATCCACAGCCACCTGCACAGTCTTATGGTGGCGGACCAGCCCAGGT
 TCCAGTACCAGGTGGCTTCTGGAGGACAGATGCCATCTCAGTACCCTGGAGGACAAGCTCCCTACCCCT
 AGCCAGCCCGCTGCGATGACTCAGGGCACCAAGGAACAATCCTCCAGCCTCCAACCTTTGATGCTATGA
 GAGATGCAGAAATCTCCGCAAAGCAATGAAAGGGTTGGGACAGACGAGCAAGCAATTGTGGATGTTGT
 GTCTAACCGTTCCAATGACCAGAGGCAACAATCAAAGCAGCTTTAAGACCATGTATGGCAAGGATTTA
 ATTAAGATCTCAAGTCAGAAATGAGTGGGAATATGGAAGAATTAATCCTTGCGCTGTTTCATGCCTTCTA
 CATACTATGATGCCTGGAGCTTACGGAAGGCAATGCAGGGAGCAGGAACTCAAGAACGTGTATTGATAGA
 GATTTTGTGCACAAGAACAATCAAGAAATTCGAGACATTGTTAGATGTTACCAATTAGAATTTGGACGA
 GACCTTGAGAAGGACATTAGGTCAGATACCTCGGGACATTTTGAACGTCTCCTCGTGTCCATGTGCCAGG
 GAAACCGTGACGAGAGGCAGAGCGTGAACCACCAGATGGCCCAGGAGGACGCTCAGCGTCTCTATCAGGC
 CGGGGAGGGGAGACTGGGAACGGATGAATCCTGTTTCAACATGATTCTCGCCACAAGGAGCTTCCCTCAG
 CTGAAGGCCACTATGGAGGCTTATCCAGGATGGCTAATCGCGATTTGCTAAGCAGTGAAGCCGAGAAT
 TTTGGGATACGTTGAAAGTGGTTTGAAGACCCTTTCAGTGGCCCTCAACCGCCCTGCCTTCTTTGC
 TGAACGACTCTACTATCCATGAAAGGCGCTGGCACGGACGACTCCACCCTGGTCAGGATTGTGGTCACT
 CGAAGTGAGATTGACCTTGTTCAGATAAAAACAGATGTTCAACCAGATGTATCAGAAGACCCTAAGCACAA
 TGATCGCAAGTGACACGAGTGGAGATTACAGGAAGCTGCTCCTGGCCATCGTTGGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225546 protein sequence
 Red=Cloning site Green=Tags(s)

MSYPGYPPTGYPPFPGYPPAGQESSFPTAGQYPYPSGFPPMGGGAYPPAPSGGYPGAGGYPAPGGYPAPG
 GYPGALSPGGPPAYPGGQFGAPPGGAGFSGYPQPPAQSYGGGPAQVVPVPGGFPQQMPSQYPPGGQAPYP
 SQPAAMTQGTQGTILPASNFDAMRDAEILRKAMKGFGTDEQAIVDVVSNSRNDQRQIKAAFKTMYGKDL
 IKDLKSELSGNMEELILALFMPSTYYDAWSLRKAMQAGTQERVLIEILCTRINQEIRDIVRCYQLEFGR
 DLEKDIRSDTSGHFERLLVSMCQGNRDERQSVNHQMAQEDAQRLYQAGEGRLGTDESCFNMILATRSFPQ
 LKATMEAYSRLMANRDLLSSVSREFSGYVESGLKTLILQCALNRPAFFAERLYYSMKGAGTDDSTLVRIVVT
 RSEIDLQVIKQMFQMYQKTLSTMIASDTSGDYRKLKLLAIVGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001110794

ORF Size: 1392 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_001110794.1](#), [NP_001104264.1](#)

RefSeq Size: 2850 bp

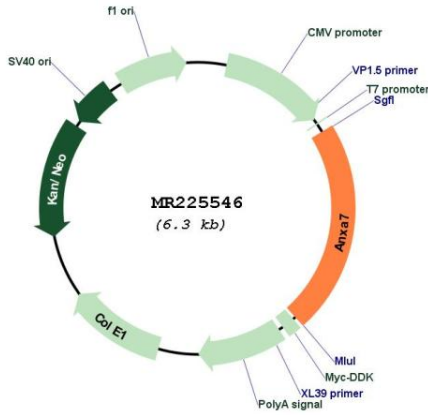
RefSeq ORF: 1392 bp

Locus ID: 11750

UniProt ID: [Q07076](#)

Cytogenetics: 14 11.53 cM
MW: 49.9 kDa
Gene Summary: Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225546