

Product datasheet for **MC200022**

Anxa2 (NM_007585) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Anxa2 (NM_007585) Mouse Untagged Clone
Tag: Tag Free
Symbol: Anxa2
Synonyms: AW215814; Cal1h
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC003327 sequence for NM_007585
 GCCCAGCCGGGCTGCTCCGCTTCAAGGGAGGCTCTCAGCGATACGTGCCCGGCCAGCTTTTTTTTTCTT
 CAAAATGTCTACTGTCCACGAAATCCTGTGCAAGCTCAGCCTGGAGGGTGATCATTCTACACCCCAAGT
 GCCTACGGGTGAGTCAAACCTACACCAACTTCGATGCTGAGAGGGATGCTCTGAACATTGAGACAGCAG
 TCAAGACCAAAGGAGTGGATGAGGTCACCATTTGCAACATCCTGACAAACCGCAGCAATGTGACAGGCA
 GGACATTGCCTTCGCCTATCAGAGAAGGACCAAAAAGGAGCTCCCGTCAGCGCTGAAGTCAGCCTTATCT
 GGCCACCTGGAGACGGTGATTTTGGCCTATTGAAGACACCTGCCAGTATGATGCTTCGGAACATAAAG
 CTTCCATGAAGGGCCTGGGGACTGACGAGGACTCCCTCATTGAGATCATCTGCTCCCGAACCAACCAGGA
 GCTGCAAGAGATCAACAGAGTGTACAAGGAAATGTACAAGACTGATCTGGAGAAGGACATCATCTGAC
 ACATCTGGAGACTTCGAAAAGCTGATGGTCGCCCTTGCAAAGGGCAGACGAGCAGAGGATGGCTCAGTTA
 TTGACTACGAGCTGATTGACCAGGATGCCCGGGAGCTCTATGATGCCGGGTGAAGAGGAAAGGAACCGA
 CGTCCCAAGTGATCAGCATCATGACTGAGCGCAGTGTGTGCCACCTCCAGAAAAGTGTTGAAAAGGTAC
 AAGAGCTACAGCCCTTATGACATGCTGGAGAGCATCAAGAAAGAGGTCAAAGGGGACCTGGAGAACGCCCT
 TCCTGAACCTGGTCCAGTGATCCAGAACAAGCCCTGTACTTCGCTGACCCGGCTGTACGACTCCATGAA
 GGGCAAGGGGACTCGAGACAAGGTCTGATTAGAATCATGGTCTCTCGCAGTGAAGTGGACATGCTGAAA
 ATCAGATCTGAATTCAAGAGGAAATATGGCAAGTCCCTGTACTACTACATCCAGCAAGACACCAAGGGTG
 ACTACCAGAAGGCACTGCTGTACCTGTGTGGTGGGGATGACTGAAGGGCTCAGCACAGTGGATCACCCAG
 AAGTGGCTCTACCTGTGCCCCAACCTGGCGTTCTAGAGACTTCGCTCTCCACTAATGGACCCCTGAGCTC
 CTCCTGTGAGGATGATGACAGGGCTGCCGACCCTTTCCCATCTTAGCTGCCCTTGCTGGCTTTCTCC
 TCATTCTCCTTTATGCCAAAGAAGTGAACATTCAGGGAGTGGGGCGTAGCGTCTGTGACATGAGACA
 CTTCTCTTATGTACTGTGTCGTAATAAACCGTTTTTACTTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_007585
Insert Size: 1020 bp



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| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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: | BC003327 , AAH03327 |
| RefSeq Size: | 1389 bp |
| RefSeq ORF: | 1020 bp |
| Locus ID: | 12306 |
| UniProt ID: | P07356 |
| Cytogenetics: | 9 38.58 cM |
| Gene Summary: | Calcium-regulated membrane-binding protein whose affinity for calcium is greatly enhanced by anionic phospholipids. It binds two calcium ions with high affinity. May be involved in heat-stress response (By similarity). Inhibits PCSK9-enhanced LDLR degradation, probably reduces PCSK9 protein levels via a translational mechanism but also competes with LDLR for binding with PCSK9 (PubMed:22848640).[UniProtKB/Swiss-Prot Function] |