

## Product datasheet for MC202589

### Cggbp1 (NM\_178647) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cggbp1 (NM\_178647) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cggbp1  
**Synonyms:** AA960172; AL023996; AW045841  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC043097 sequence for NM\_178647  
 GCAGCGGCGGAAGCAGCGGCGGCCGAACGGGATCTCCTTCATCCCGTTGCTCTGCCTTTCTTCTCCT  
 CTCTTCTTCTGCGAGGGCTCGTGCACCTCCCTAACGGCGGCCGCTCTACGGTCCCGAAGAGCTG  
 GGAAGGCCGAAGTAAAGACATGACTTCCCGCGCCACCGGAAAAATAGGGTGCAAGCCCAGGAAGTGT  
 CCCCACCAACACCTGTTGAAAACTGAGTCGAAGCGTCTCCGGGTCTGAACGAACCGAAGTCGCTCG  
 GATTGGATGCGTCTGTGGTTTTGCATCCAGAAAAGTCACTACTTAATATCAAGAAAAACAAACAAAC  
 AAACAAAAACCCGACTGGAAATTAAGCTGAAGAACCTTATCAGAGACAAAATGGAACGATTTGTGTAA  
 CAGCACCACCTGCTCGAAATCGTTCTAAGACTGCTTTGTACGTAACCCCTCTGGATCGAGTCACTGAAT  
 TGGAGGTGAGCTTCATGAGGATGGAGGCAAACTCTTGCACCTTTGCAATGTGGTCTGAATCATGTT  
 CGCAAGTCTGCCATTAGTGACCACCTCAAGTCAAAGACTCATAAAGAGGAAGGCAGAATTTGAAGAGC  
 AAAATGTGAGAAAGAAGCAGAGGCCCTGACTGCATCGCTTCAGTGCAACAGTCTGCGCAAACAGAGAA  
 AGCCAGTGTATCCAGGACTTTGTGAAAATGTGCCTGGAAGCCAACATCCCCTGGAGAAGGCCGATCAT  
 CCCGCAGTGCGAGCGTTCCTGTCCCGCATGTGAAGAACGGAGGGTCCATACCTAAGTCAGACCAGCTGA  
 GGCGAGCATATCTGCCTGATGGCTACGAGAATGAAAATCAGCTCCTCAGCTCACAAAGATTGTTGACGAGG  
 CAGTTAATGACCATTGTGATCAAGATAAATAATGTGGAGTATAAAGTTAATGTGTTGATTGTGGTTC  
 ATTTTTATATTTATTTAAATCATGTGATACAGAAATAGTTTTGCAATGTGTATATAGTTTTAGGCAAAA  
 AAAGAAACCTCACTGCAAACTTACTGCTAATTTAAGTACCAGTGGTGTAAAGTAAACTTACCTATG  
 GAGTGTATTAGGCTATCTGAAACCCGGTGGTTATCGTTAAACTCATGGATGTTCTCCTGAAATGTTTGT  
 GCATGGAAGAACTTCTTGCATTGTAGCCCTGTTGCCATGTATGGTTTTGTTTTCTTGTGAGTTAC  
 GTAATGATTTGGATTGAGAACTAGCCTAGAAAAGTGAAGCTGCTGCCAGGCTATACCTCTCACAGGACCT  
 TAAAGAAGCTCACATTCTTTTCAAAGTGAATAGTAGGCCGAAATGTTCTTAGAGCTTGAGATCTCTAG  
 GAGAAATGACTGTTCAAATTACATTCTACTTGTATGTGAAATAATTGCTTAACCTTCACTTCTTGTGGT  
 CGCTTTTAAAGACATATTTAGTAGCAGCTTCAAGTGAAGTAAAAGACTAAAATCTCTTCTTAGTGTCTTGA  
 CAAAAGCCATGGGGGATTTGTCAGTGATGAGATTTTGTCTTCAACTATGAACAAAAATTTTCAAACCAT  
 AGTTTTCATGTTAAGTAGCATCCTGGATTTGCAAACTTTTTATGTCTTGGTATTAAGACTATTAAGACA  
 GTCTTGTAGTCTAATTTAAATTTAAATACACTGTGGTCTGTTTTCTCTTTTACAGGGAATTGGTTAC  
 TTTTTGGTGTACAACAAATAAGAAAATTGCTTTCTATACATTAATTTTTCCATAAGATTTTATAAGATT



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TATTTAGGTAAATAGACTAGAAATGAGTTTTAAAAGTTTCACCTTACTGCTTTCCTCTGGTGATGCAG  
 GTTTTAAAACCTGGATGCTAAACAGTGCAGAAAACGAGGCAAGAACTTTATAGTAAAAATAAAGCAGGATG  
 CTGAGTCAGGAAATAATCAGCTCTGTCAAAGGTCAACCGTGTAGGTTTTCTACTTCACTCTTCTGT  
 AAGCTTATTAGGAGTCATTTAGCTCAGAGAAGTCTTTCATCAAATCCGGATTATTTTTTAAAAGTT  
 TAGTAACGAAGACTTAGATTAGAGCTTAAATATTAATAAAAAAATCAAATAGTTGAAAACATTGAAGTTA  
 TATTTCTATTCTAAATCAGTGGCAAGATGCCCTGATTGTGACTTGGAGTTATCTTTGAGGTCATTGTGCC  
 ACAAAATTCATTAAACAAGCCAAAGTAAATAGAAAATAATTTGTGGTTTTGTGCTTTGATTTTTTTTT  
 TTCCCCCGTCACAGGGTGTCTACATAGCCCTGGCAGTCTGGAACCTACTAGAGGCTAGCCCTCAAGAC  
 CCACCTGCCTCTTCCCTCGTGAGTGCTGGGATTAATGGCGTGTACTATCACGCCAGCAATAATTTGTG  
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 CTTGTTTTTATTTTAAAAGCCTGCTATGGAATTTAAAAAATAAGTTCTCAAAAATTCAGTCTTCTATT  
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 AAACACAGACCAGCAGCAAAGTAAACAATGATTGCTTCCACTTCCCTAAGGAATTTGCGGCAACCATGT  
 TTAATTTGCCTAAGATGGTAGGATATCTAAGCAACTAAAATAATTGAGTTTTGTACCACTATTTTCAGAA  
 GAAAAACGATCATTTAATTTTCCAAGATTCCTTGTGATTGCGGCTATTCCCTATTGTCTGGGACTATATG  
 CGCTGTACAGTCAACATGGCAGAACAGCTTCTAGCAGTCGAGTAACATGTTGGACGGTGCCTAGGAATAT  
 AATTCACCTTTGCCTTCTTACAGTTATTAAGTATTCACCGTACTTAGTTCCTCTAGAACTGTTTTTC  
 CAGGCTTATTTTTGAATCTCTAGGGGCAGAGTGCATTCTGTTAGGGTTGTATCATGTCCTTAGAATGAGG  
 TTTCCGTCCTTGGAGGAAAGTTAGTAGTAATGTTTCTTCCCGATTATGAACATTTGTTTCTTGGAAC  
 TGGTAAATTTGTCTCGTAAATAATAACAGTGGTTATAGTAGCCTGTGCAAACCTGGTAAAGATTTGCAAA  
 ACTATGATTGGCATGTTAGATAACAAATGAGAAGTGTCTAAGGCGCGTCTATGTGAGAGAGGCAAAGTG  
 AACTTATGTACAGAAGCTTCAATCCTCCTTATATAGTGGTAGTTGATGCTTTACTATTGGACCAATAGC  
 AGCTCCTGTTAATTAGTTGGATGCATTACACAAGCTTTGTAATGTTTCATTTATAAACTGCCTTCAGCA  
 CATGCGTACCTGTTAATGTTTTCTCAGTGTGCTAGGATGTCTTCCAGACTCTCACTGTATCTGCCAGTA  
 AATAGTCTAGCTTGTGAATTTCTGCTTATTTTTTATTATCTGTGGCATATAGCAAGCCTAAAAGATA  
 ATTGTAATCATTTTTTTTTCTTTTACAGAGTGAGAAGTTAGATTGTGTATGAAAGCCTATAGTTATTTTA  
 TCCATTATCTTTGATTAAGGCTTCTAATATTATTTAGTAAGTGTCTTCCAGTTAATGCCTGTGGCCC  
 TACTGAATTTTAAAGGAAACAGACAACCTTTTAAAGAAATAAACCTTACTGTTTTATACAGTAAGTTTGTCTG  
 ATTGGGAATGTTCTGAAGTTGGACATACAATTGGCCAGATTCCCAAGCTAAAACCTTGGCCTGAAAGGCT  
 GTGTACATGAATGTTAACAAGTACAGGAAAGCAAATTAACCTTAAAGGTGACCTAAAACAAAGGCTAGAAA  
 CAAGTTTTTCAATTGATTCTTAGTCTTTGTAAGGGCTTTCTGTTTACTTACCTCACTGCCATTGAGTGA  
 GGGTAAATCACCTTAAAATGACTGATTTACCTGGAAGGGTAGTTGTAGTTCCATCCTTAGCTTGCTTTT  
 GCTTTGGTCGGCACTGATGAAATGTGAAGTGGCTATTCTAGACCTTGGTTGATCTCAGCCCTACTCCCA  
 GACTGCTGAGGTAACACAGTCCGTTACCTAGTGTCTATTCTCCTTGTATCCAGAACACTATTAATAATTTT  
 ATTATGTTAATTTTCTGACTCCTGTGCTTCTTTTTACTTTTGTGCTCATGCACGATTTTTAGTATGAATGT  
 GTTGCTTTTTTAAAAGTTTGTGATTTTAGAAAATAATTTCAAAAAGGTTAAAAAATAAAAAAAAAAAAAA  
 AA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM\_178647
- Insert Size:** 504 bp
- 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:**

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:** [BC043097](#), [AAH43097](#)

**RefSeq Size:** 4382 bp

**RefSeq ORF:** 504 bp

**Locus ID:** 106143

**UniProt ID:** [Q8BHG9](#)

**Cytogenetics:** 16 C1.3

**Gene Summary:** Binds to nonmethylated 5'-d(CGG)(n)-3' trinucleotide repeats in the FMR1 promoter. May play a role in regulating FMR1 promoter (By similarity).[UniProtKB/Swiss-Prot Function]