

Product datasheet for **SC329452**

CGGBP1 (NM_001195308) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CGGBP1 (NM_001195308) Human Untagged Clone
Tag: Tag Free
Symbol: CGGBP1
Synonyms: CGGBP; p20-CGGBP
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329452 representing NM_001195308.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGAGCGATTTGTAGTAACAGCACCACTGCTCGAAACCGTTCTAAGACTGCTTTGTATGTGACTCCC
 CTGGATCGAGTCACTGAGTTTGGAGGTGAGCTGCATGAAGATGGAGGAAAACCTCTCTGCACTTCTTGC
 AATGTGGTTCTGAATCATGTTTCGCAAGTCTGCCATTAGTGACCACCTCAAGTCAAAGACTCATACCAAG
 AGGAAGGCAGAATTTGAAGAGCAGAATGTGAGAAAGAAGCAGAGGCCCTAACTGCATCTCTTCAGTGC
 AACAGTACTGCGCAAACAGAGAAAGTCAGTGTTATCCAGGACTTTGTGAAAATGTGCCTGGAAGCCAAC
 ATCCCACTTGAGAAGGCTGATCACCCAGCAGTCCGTGCTTCTCTATCTCGCCATGTGAAGAATGGAGGC
 TCCATACCTAAGTCAGACCAGCTACGGAGGGCATATCTTCCTGATGGATATGAGAATGAGAATCAACTC
 CTAACCTACAAGATTGTGA

Restriction Sites: SgfI-MluI

ACCN: NM_001195308

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).


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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_001195308.1](#)

RefSeq Size: 4589 bp

RefSeq ORF: 504 bp

Locus ID: 8545

UniProt ID: [Q9UFW8](#)

Cytogenetics: 3p11.1

MW: 18.8 kDa

Gene Summary: This gene encodes a CGG repeat-binding protein that primarily localizes to the nucleus. CGG trinucleotide repeats are implicated in many disorders as they often act as transcription- and translation-regulatory elements, can produce hairpin structures which cause DNA replication errors, and form regions prone to chromosomal breakage. CGG repeats are also targets for CpG methylation. In addition to its ability to bind CGG repeats and regulate transcription, this gene is believed to play a role in DNA damage repair and telomere protection. In vitro studies indicate this protein does not bind to methylated CpG sequences. [provided by RefSeq, Jul 2017]

Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All three variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.