

Product datasheet for **SC323853**

CGGBP1 (NM_003663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CGGBP1 (NM_003663) Human Untagged Clone
Tag:	Tag Free
Symbol:	CGGBP1
Synonyms:	CGGBP; p20-CGGBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003663.3
 ATTCCCTTGCCTCTTTCTTCTTTCTTTCTTTCCGGCCGGGCCTCGTCCACTTTG
 CCTAACGGCGGCCTCGATCCTACGTAAAGGCATGACTTCTGGCACCACAGGAAATCG
 GGTGCAAGCCAGAACTATTTCCACCACCCTTGTGAAAACTGATTTGAAGGCAT
 CTCGGGGTTGAACAAACGAAAGTGCCAGGATTTGATGCGTCTCTGGTTTCGCTCTGGA
 GACCATTCCCTGCTAAGTATCAAGACGAAAAAACTGGAACTAATCCGAACCATATTTA
 TTTAGAGTCAGAAATGGAGCGATTTGTAGTAACAGCACCACCTGCTCGAAACCGTTCTAAG
 ACTGCTTTGTATGTGACTCCCCTGGATCGAGTCACTGAGTTTGGAGGTGAGCTGCATGAA
 GATGGAGGAAACTCTTCTGCATCTTGTCAATGTGGTTCTGAATCATGTTTCGCAAGTCT
 GCCATTAGTGACCACCTCAAGTCAAAGACTCATACCAAGAGGAAGGCAGAAATTTGAAGAG
 CAGAATGTGAGAAAGAAGCAGAGGCCCTAACTGCATCTTTCAGTGCAACAGTACTGCG
 CAAACAGAGAAAGTCAGTGTTATCCAGGACTTTGTGAAAATGTGCCTGGAAGCCAACATC
 CCACTTGAGAAGGCTGATCACCCAGCAGTCCGTGCTTTCTATCTCGCCATGTGAAGAAT
 GGAGGCTCCATACCTAAGTCAGACCAGCTACGGAGGGCATATCTTCTGATGGATATGAG
 AATGAGAAATCAACTCCTCAACTCACAAGATTGTTGACTAGGAGGTTACCACCATTGTGAT
 CAAGATAAATGTGGAGTATTAAGTTATGTGTTGATTGTGTGGTTCATTTTTGTATTTAT
 TTCATTTAAAATCATGTGACGCAGAATAGTTTTGCAATGTGTATATAGTGCAGGCAAAA
 AAAAAACCACCTCACTGCAAACTTATTGTTAATTTAGTCACCAATGGTATAAAGCAAA
 ACCTAGGGTTAGAGTGTGCTAGGATACCTGAAACCTGATGGTTATCTTTAAAATTAATGG
 TTTTCTCCTGAAATGTTGTGTCATGGAAGAAGTGCCTGCTTTTTTACCCTGTTGCCAT
 GTATGATTATTCCTGTGAGATTACTTAATTACTTGGATTGAAGACTAGCCTATTGAAGC
 TGCTGCCAGGCAACACCCTTAACAGTAACTAAAGGAATTATTTCTTTAGAGGATCCT
 CTTCAAAAAGGAAGGGAGATAGTGGAAAAGTCTTATATCTTCAGATCCCTAGCAGAA
 ATGACTGTTTTATTTCAAATATGTTTTACTTGTATATGATGTAGTCAACTATCTTTCAAT
 TCCATACTCCCCGCCCCATTTAAAGGCTTATTGTTGATTTTGTAGCAGCTTCAAG
 TGACAAAAGACTAAAATCTTTCAACGTCAATGCCAAAAGCCAAGGGGAATTTGCAGTG
 ACAGGATTTAGTCTTACTATGAATACTAATTCGAACCATAGCTTTTCATTTAAGCA



[View online »](#)

TCATCTTGAATTTCTAACTTTTTCTATGTCTTGGTGTAAAAGATTTCAAGATTGGCA
TTTTACTTAAACAGACATTTTATGGTTGAGTTTTCTCTTTATTATAGAGAATTAGTAAT
TTTTTTTTGGCTGACAGATCAGATAAAATTTCTTTCTATTCATTAATTTTTCTCTACAAC
TTTATGAGTTTATTTAGGTGAATAGTCTAGACTAGAAACAAGTTACTTTATCTGCTTTG
CCTCTGGTGGTACAAGTTTTAACATGGATGGTAAACAATTGTCTAGAAATTCTGGCAG
GTTTTTTGTATTGGAGATCTGGCAGTATCCTGCATAACTTTGGGTGAGGAAATTTGTCTC
TTAAAGATCAGCCATGTTTACGAAATGATCTCTGTTTGAACCTCACTATCCTGTAAAGTT
ATCCAAGTAGCTTAGCCAGCTAAGTTCTATCAGAGACCCAAATTATTTTTTAAAAAT
TTAACAGCTGAAACTTGGACTAGAGCTTTAATAAAAAATCTTAAATTTTGAATTC
AGTAAAAATACTTATATATTTCTATTACAAAGCAGTGACAAATGATGCCCTGTGTGACT
TGGAGTTATCTTTGACTTTTACCACAAATCTTCATTTATAAAAAGAAAAAGCCAAAGTAA
AAAAAGTTAGATTGTGTATTTTTAGTAAACAGCTTTCCATGTCTTAAGATTTTTTACAG
ACTTAAGTTTCTAATTCAGTTGTCAAACCTGGCCATTTGACTTCAGAGATTTGTTTTCAT
TAAAAATAAGCCTGCCCCAAAATAAATCACTTATCAAAATGTGAAGTGTTCCTCAT
GTTTCAGTTATGTTAAAGTAGTATGATAAATGCATGCCTAGAGTAGTGCTCTCGTTGATGA
AGCACATGTATGAGGAGACCAGCAGCAAAACATAACCATATGTGTTTTGGTTTTACTTCC
TCTAGAAAAGAATTTGCAGGCAACCATGTTAATTTGAAGTATCTAAGATGGTAGATTTT
AGAAGCTAGGAATAATTGAGTTTTATAGCACTATTTTTCAGAAATACGAAAAGATACACAAT
CATTCTGTTTTTTGAAATTCATGTGATTCAAACCTGCTCCCTATTATTTGGGTATTAATT
TGCACTAATAGCAAAATGTAATGGCAGATCAGCTTTGAGAGTGGTCTAAGCAGTAAACT
GGATGATGTTGCATTAGAAAAACATCAATAATTCATATTTAAGTTTTAGTAGTTACTACT
GATTTGATAATCACTTAAATTTTATATATCTTAATGTATTTTTTTCAGACTCCTAATTAAT
TCCACATTCAGTGAAGTAACTAGGGCAGATGTCATTCTGTTAGGATTATATCCTCTCCTTA
GAAATGTTTTCCATCCTGTTGTGGGGATTGGTATTAATGTTTTCTTATTGATTATGGAA
CTTTTGTCCCTGAAGCTAGTTAACTGTGTCTAAAGTTAAATAAATACAGCAGAATGATT
GTTTTAGCCTGCTCGAACTGATACAAATCCCTGAAACCATGATTGGCATATGTTAGATAA
CAAATGAGGATGTCTAAGAGGCATATGCTGCTTTGGAGGTGTAGTGAACGTGTGTACAGA
AGTTTTCAATCTTAACTATATAGTGTAGTGTGATGCTATACTATTGGAAAAATAGCAGC
TTTTTTCTATTTTATAAGTTGTATGCATAAACATAAGATTTGTAATGTTTCATTTATAAA
CTGCCCTCTTCAACACATGTTAATAGTGTCTTCAAAGTATTGATAGTATGCTTCCAG
AATTTCAATATGCTTACAGTAAATTTTCTAGCTTGTGAAATGTTCAATTCCTTTGT
TGGCTTCTTCTTATTCTGTGGGGGTGATAACAAGCCTGAAGGACATTGTAATCATT
CTTACAAGGTGAAATTAAGAAAGATTGTGTATGAGAGCCTATATAGTTGTTTTATCCAT
TATCATCTTTGATTAAGACTTTAAAAAATGCTATTTCCAGTTAATGCATTTGGCCCTAT
TGAATTTTCAGGGACCAGAAAACATTAAGTCTGCACTTTAATGGTAACCAATTA
AGCTTGAGATTGTTCTGAAAGTATCAATTGCTTTAAAACCTGTTGTAAGTACAGTTGGCAA
GATCTCCAAGCTGAAACTTCCACGTTAAAACCTTTGCCTGTAAGAATTTGCACATGAATG
TTAATGGAAAACAAAACTTAAGATGGCCAAAAACAAAAGCCACAAACAGTTTCATCATT
TGGTGCTTAGTCTTTGTAAGGGCTCTCTGTGGTTTACTTACCCAGCTACCGTTAAATG
AGGACAAATCACCTTAAAACATGTTTCAATTTGATTACATAACAAGGAAAAATGGGTCTATGA
TTTTTTGCCAATCTTAGCCTAAAAGAAATTGCTTTAGCTTCTGGTCAGCACTGATTA
TGTGAATAGTGAAGTGGCTATCCTAAACTGGTTTATCTCCACCCACACTATCATAGATTT
CTTAGGTAATAACAATCTTATCTAGTGGTATTCTACTTGTATTTCAGAAACTGTATTAA
AATTTTACTATTTCAATTTTGTATTCTGTGCTTATTTTTTTTGTCTCACGCATGTATGCTT
AGTATAAATGTGCACTTCTAAAGTTTTGTCTCTGACTTTTAGAAATAAATTTTCAGAAAA
ATTGTTTTCAAAAGATTTTGAAGACATTTTGTGTTTGTGAGTCAATGACAAATATATTTT
CTGATTACAAAACAAAAA
AA
AA

Restriction Sites: ECoRI-NOT
ACCN: NM_003663

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_003663.3</u> , <u>NP_003654.3</u>
RefSeq Size:	4506 bp
RefSeq ORF:	504 bp
Locus ID:	8545
UniProt ID:	<u>Q9UFW8</u>
Cytogenetics:	3p11.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.</p>