

Product datasheet for **RG208653**

CGGBP1 (NM_003663) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CGGBP1 (NM_003663) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CGGBP1
Synonyms: CGGBP; p20-CGGBP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208653 representing NM_003663
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCGATTTGTAGTAACAGCACCCCTGCTCGAAACCGTTCTAAGACTGCTTTGTATGTGACTCCCC
 TGGATCGAGTCACTGAGTTGGAGGTGAGCTGCATGAAGATGGAGGAAAACCTCTTCTGCACCTTTGCAA
 TGTGGTTCTGAATCATGTTTCGCAAGTCTGCCATTAGTGACCACCTCAAGTCAAAGACTCATAACAGAGG
 AAGGCAGAATTTGAAGAGCAGAATGTGAGAAAGAAGCAGAGGCCCTAACTGCATCTCTTCAGTGAACA
 GTACTGCGCAAACAGAGAAAGTCAGTGTATCCAGGACTTTGTGAAAATGTGCCTGGAAGCCAACATCCC
 ACTTGAGAAGGCTGATCACCCAGCAGTCCGTGCTTTCCTATCTCGCCATGTGAAGAATGGAGGCTCCATA
 CCTAAGTCAGACCAGCTACGGAGGGCATATCTTCTGATGGATATGAGAATGAGAATCAACTCCTCAACT
 CACAAGATTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208653 representing NM_003663
 Red=Cloning site Green=Tags(s)

MERFVVTAPPARNRSKTALYVTPPLDRVTEFGGELHEDGGKLFCTSCNVVLNHVRKSAISDHLKSKHTKR
 KAEFEEQNVRKKQRPLTASLQCNSTAQTEKVSVIQDFVKMCLEANIPELKADHPAVRAFLSRHVKNNGSSI
 PKSDQLRRAYLPDGYENENQLLSQDC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cytogenetics: 3p11.1

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]

Product images:



Circular map for RG208653