

Product datasheet for MR201375

Cggbp1 (NM_178647) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cggbp1 (NM_178647) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cggbp1
Synonyms: AA960172; AL023996; AW045841
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201375 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAACGATTTGTTGTAACAGCACCACTGCTCGAAATCGTTCTAAGACTGCTTTGTACGTAACCCCTC
 TGGATCGAGTCACTGAATTTGGAGGTGAGCTTCATGAGGATGGAGGCAAACCTCTTCTGCACCTCTTGCAA
 TGTGGTGTGAATCATGTTTCGCAAGTCTGCCATTAGTGACCACCTCAAGTCAAAGACTCATACAAAGAGG
 AAGGCAGAATTTGAAGAGCAAAATGTGAGAAAGAAGCAGAGGCCCTGACTGCATCGCTTCAGTGAACA
 GTCTGCGCAAACAGAGAAAGCCAGTGTATCCAGGACTTGTGAAAATGTGCCTGGAAGCCAACATCCC
 CCTGGAGAAGGCCGATCATCCCAGTGCAGCGTTTCTGTCCCAGCATGTGAAGAACGGAGGGTCCATA
 CCTAAGTCAGACCAGCTGAGCGCAGCATATCTGCCTGATGGCTACGAGAATGAAAATCAGCTCCTCAGCT
 CACAAGATTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201375 protein sequence
 Red=Cloning site Green=Tags(s)

MERFVVTAPPARNRSKTALYVTPLDREVTEFGGELHEDGGKLFCTSCNVVLNHVRKSAISDHLKSKHTKR
 KAEFEEQNVRKKQRPLTASLQCNSPAQTEKASVIQDFVKMCLEANIPELKADHPAVRAFLSRHVKNNGSI
 PKSDQLRRAYLPDGYENENQLLSSQDC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_178647

ORF Size: 504 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_178647.3](#)

RefSeq Size: 4382 bp

RefSeq ORF: 504 bp

Locus ID: 106143

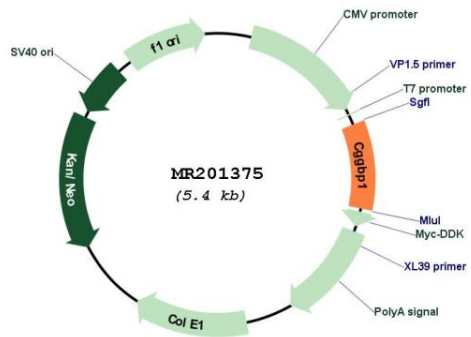
UniProt ID: [Q8BHG9](#)

Cytogenetics: 16 C1.3

MW: 18.8 kDa

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]

Product images:



Circular map for MR201375