

Product datasheet for **RG209095**

C13orf8 (CHAMP1) (NM_032436) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C13orf8 (CHAMP1) (NM_032436) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C13orf8
Synonyms:	C13orf8; CAMP; CHAMP; MRD40; ZNF828
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG209095 representing NM_032436
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAAGCATTCCAGGAACCTTCGTAACCATCAGCACGTTTGGAGTGTGACCATTGCAGTTTCAGAGGCA
 CAGACTATGAAAATGTACAAATCCATATGGGTACCATCCATCCAGAATTTGTGATGAAAATGGATGCTGG
 TGGGCTAGGCAAAATGATATTTTACCAGAAAAGTGCAAAGTTATTTCACTGCCATAAATGCTTCTCACC
 AGCAAGATGTAAGTCTAATGTATACTATCACATCACATCCAAACATGCATCCCCAGACAAATGGAATGATA
 AACCAAAAAATCAGTTGAACAAAGAAACAGATCCTGTGAAAAGCCCTCCTCTTCTGAACACCAGAAAAT
 ACCCTGCAATTCAGCAGAACCAAAATCCATACCTGCCCTTCAATGAAAACACAGAACTTGTTTCAGTT
 TTGTCTCCAGAATCGCCAAAACCTACTCCTTACTCCCTGGAGCCTCAGAACTGGCTCTGTTGTTT
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 TCCAAAATCAGTCCCTGTTTGTGAGTCTCAGAACTTGCCCTGTTCCTTCTCCAGAACCACAGAACT
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 CCCCCGTGTGTACCAGGCTCTTGAAGCCAGGCACTGGGTCCCCTAGGCCCTTGGAAATCCAATCC
 TTCAGCATCATCAGGACCTTGAAGCCAGCTAACCTGCTCCATCTGTGTCTCTGGACCTTGGAAACCA
 ATTCCTTCTGTATCTCTGGACCTTGGAAACCACTCCATCTGTGTCTTCTGCATCTGGAAATCTTCAT
 CAGTCTCACCCAGCTCCTGGAAGTCTCCCCTGCATCTCCTGAGTCATGGAAGTCTGGCCACCAGAACT
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 AAACCCGCGCCACCACTATCCCCAGAGATCCGTAGTCCAGCAGGATCTCCAGAGCTCAGAAAACCTCAG
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 GTCCCAGAAAAGTTCCCCTGGTGGTTCTCCTGATCTCTGGAAGTCTTCTTTTTTATTGAGCCTCAGAAA
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 TCTGGAAGCCTGTTCTCTATCGATACTGAGCCTAGAAAACCTGCCCTGTTTCCCAGCCTGCCAAAAC
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 TTTTGCATCATTGGTTAATAAGCATAATGTTTCATAGCCCTTACAATGCACAATCTGTGAAAAGGCTTT
 TCTTTTGAATCTCTCTTAAAAATCATGTAGCAGCCCATGGGCAAAGTTTACTTAAATGTCCACGTTGT
 AATTTTGAATCAAAATTTCCCAAGAGGTTTTAAGAAACATTTAACTCATTGTCAAAGCCGCATAATGAAG
 AGGCAAATAAAAAGCTAATGGAAGCTCTTGAACCGCCACTGGAGGAGCAGCAAATT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209095 representing NM_032436
 Red=Cloning site Green=Tags(s)

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MEAFQELRKPSARLECDHCSFRGTDYENVQIHMGTIHPEFCDEMDAGGLGKMIIFYQKSAKLFHCHKCFFT
SKMYSNVYYHITSKHASPDKWNDKPKNQLNKETDPVKSPLPEHQKIPCNSAEPKSIPALSMETQKLGSV
LSPESPKEPTLTPLEPQKPGSVVSPQLTPLPSPEPSKPASVSSPEPPKSVPVCEQKLAAPVPSPEPQKP
APVSPESVKATLSNPKPQKQSHFPETLGPPSASSPESVLAASPEPWGSPAAAPESRKSARTTSPEPRK
PSPSESPEPWKPFPAVSPERRPAPAVSPGSKPGPPGSPRPWKSNSASSGPWPKAKPAPSVSPGPWK
IPSVSPGPWKPTPSVSSASWKSSSVSPSSWKSPPASPEWKSPPPELRKTAPTLSPHEWKAAPPVSPPELR
KPGPPLSPEIRSPAGSPELRKPSGSPDLWKLSPDQRKTPASLDFPESQKSSRGGSPDLWKSFFIEPQK
PVFPETRKPGPSGSEPKAASDIWKPVLSIDTEPRKPALEPEAKTAPPASPEARLALFPEPRKHALF
PELPSALFSESQKAVELGDELQIDAIDDQKCDILVQEELLASPKKLEDTLFPSSKLLKKNQESSDAE
LSSSEYIKTDLAMDIDKQESSDQEQVDVESIDFSKENKMDMTSPEQSRNVLQFTEEKAFISEEEIAK
YMKRGGKGYCKICCCRAMKKGAVLHHLVNKHNVHSPYKCTICGKAFLLLESLLKNHVAAHGQSLKCPRC
NFESNFPRGFKHLTHCQSRHNEEANKKLEALEPPLLEEQQI
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:


ACCN: NM_032436

ORF Size: 2436 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_032436.1](#), [NP_115812.1](#)

RefSeq Size: 3782 bp

RefSeq ORF: 2439 bp

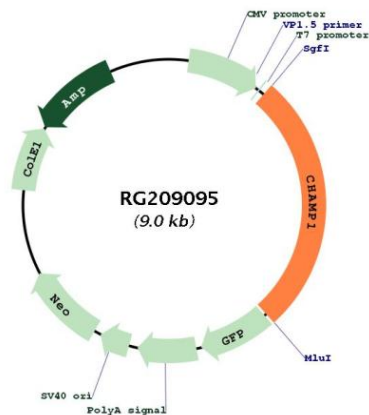
Locus ID: 283489

UniProt ID: [Q96JM3](#)

Cytogenetics: 13q34

Gene Summary: This gene encodes a zinc finger protein that functions as a regulator of chromosome segregation in mitosis. The encoded protein is required for correct alignment of chromosomes on the metaphase plate, and plays a role in maintaining the attachment of sister kinetochores to microtubules from opposite spindle poles. Mutations in this gene are associated with an autosomal dominant form of intellectual disability. [provided by RefSeq, Jul 2017]

Product images:



Circular map for RG209095