

## Product datasheet for **RG208008**

### CCDC98 (FAM175A) (NM\_139076) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC98 (FAM175A) (NM_139076) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC98
Synonyms:	ABRA1; CCDC98; FAM175A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208008 representing NM_139076 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACGTTTAGAGAGAGGCTGCTTCACAAAACTGCAGGAGCATTTTTCAAACCAAGACCTTGTTTTTC  
TGCTATTAACACCAAGTATAATAACAGAAAGCTGCTCTACTCATCGACTGGAACATTCCTTATAAAACC  
TCAAAAAGGACTTTTTACAGGGTACCTTTAGTGGTTGCCAATCTGGGCATGTCTGAACAACTGGGTTAT  
AAAAGTATCAGGTTCTGTATGTCCACTGGTTTTAGCCGAGCAGTACAAACACACAGCTCTAAATTTT  
TTGAAGAAGATGGATCCTTAAAGGAGGTACATAAGATAAATGAAATGTATGCTTCATTACAAGAGGAATT  
AAAGAGTATATGCAAAAAGTGGAGACAGTGAACAAGCAGTAGATAAACTAGTAAAGGATGTAACAGAA  
TTAAAACGAGAAATTGAGAAAAGGAGAGGAGCACAGATTCAGGCAGCAAGAGAGAAGAATCCAAAAAG  
ACCCTCAGGAGAACATTTTTCTTTGTCAGGCATTACGGACCTTTTTTCCAAATTCGAATTTCTTCATTC  
ATGTGTTATGTCTTTAAAAATAGACATGTTTCTAAAAGTAGCTGTAACCTACAACCACCATCTCGATGTA  
GTAGACAATCTGACCTTAATGGTAGAACACACTGACATTCCTGAAGCTAGTCCAGCTAGTACACCACAAA  
TCATTAAGCATAAAGCCTTAGACTTAGATGACAGATGGCAATTCAGAGATCTCGGTTGTTAGATACACA  
AGACAAACGATCTAAAGCAGATACTGGTAGTAGTAACCAAGATAAAGCATCCAAAATGAGCAGCCAGAA  
ACAGATGAAGAAATTGAAAAGATGAAGGGTTTTGGTGAATATTCACGGTCTCCTACATTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208008 representing NM\_139076  
 Red=Cloning site Green=Tags(s)

MTFRERLLHKNLQEHFSNQDLVLLLLTPSIITESCSTHRLEHSLYKPKQGLFHRVPLVAVANLGMSEQLGY  
 KTVSGSCMSTGFSRAVQTHSSKFFEDGSLKEVHKINEMYASLQEELKSIICKKVEDSEQAVDKLVKDVNR  
 LKREIEKRRGAQIQAAAREKNIQKDPQENIFLCQALRTFFPNSEFLHSCVMSLKNRHVSKSSCYNHHLDV  
 VDNLTLMVEHTDIPEASPASTPQIIKHKALDLDDRWFQKRSRLDQTQDKRSKADTGSSNQDKASKMSSPE  
 TDEEIEKMKGFGEYSRSPTF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_139076

**ORF Size:** 900 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\\_139076.1](#), [NP\\_620775.1](#)

**RefSeq Size:** 2835 bp

**RefSeq ORF:** 1230 bp

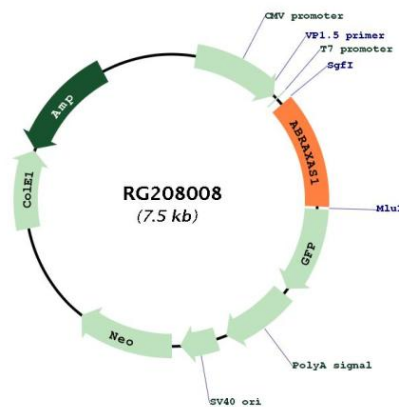
**Locus ID:** 84142

**UniProt ID:** [Q6UWZ7](#)

**Cytogenetics:** 4q21.23

**Gene Summary:** This gene encodes a protein that binds to the C-terminal repeats of breast cancer 1 (BRCA1) through a phospho-SXXF motif. The encoded protein recruits ubiquitin interaction motif containing 1 protein to BRCA1 protein and is required for DNA damage resistance, DNA repair, and cell cycle checkpoint control. Pseudogenes of this gene are found on chromosomes 3 and 8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

## Product images:



Circular map for RG208008