

## Product datasheet for **MG202001**

### Cradd (NM\_009950) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cradd (NM\_009950) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Cradd  
**Synonyms:** RAIDD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202001 representing NM\_009950  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAAGCCAGAGACAAGCAGGTACTCCGCTCCCTGCGTCTGGAGCTGGGTGCCGAGGTACTGGTGAAG  
 GACTGGTCTTCAGTACCTTTACCAGGAAGGAATTTTGACAGAAAACCACATTCAAGAAATCAAAGCTCA  
 AACACAGGCCTCCGGAAGACAATGCTGTTGCTGGACATCCTGCCTCCAGGGGCCCAAAGCTTTTGAC  
 ACCTTCCTCGATCCCTCCAGGAATTTCCCTGGGTAAGAGAGAAGCTGGAGAAGGCGAGAGAGGAAGTCA  
 CAGCCGAGCTGCCTACAGGTGACTGGATGGCCGGAATCCCCTCACACATCCTCAGCAGCTGCCATCAGA  
 CCAGCAGATTAACCAGCTGGCTCAGAGGCTAGGCCCGGAGTGGGAGCCCGTGGTCTGTCTGGGACTG  
 TCCAGACCGACATCTACCGCTGCAAGGCCAACCATCCCCACAACGTGCATTTCGAGGTGGTGGAGGCT  
 TTGTCCGCTGGCGCCAGCGTTTTGGGAAGCAGGCCACCTTCTAAGCTTACACAAGGGCCTCCAGGCAGT  
 GGAGGCTGATCCCTCCCTGCTCCAGCACATGCTGGAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >MG202001 representing NM\_009950  
 Red=Cloning site Green=Tags(s)

MEARDKQVLRSLRLELGAEVLVEGLVLYLQYEQEGILTENHIQEIKAQTTGLRKTMLLLDILPSRGPKAFD  
 TFLDSLQEFPPWREKLEKAREEVTAEELPTGDWMAGIPSHILSSSPSDQQINQLAQLGPEWEPVVLSTGL  
 SQTDIYRCKANHPHNVHSQVVEAFVWRQRFGKQATFLSLHKGLQAVEADPSLLQHMLE

**TRTRPLE** - GFP Tag - V

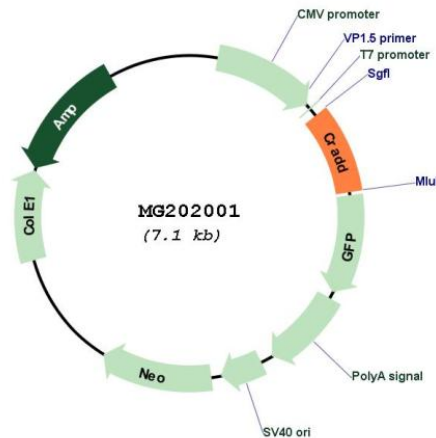
**Restriction Sites:** Sgfl-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM\_009950

ORF Size: 597 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\\_009950.3](#)

**RefSeq Size:** 1650 bp

**RefSeq ORF:** 600 bp

**Locus ID:** 12905

**UniProt ID:** [O88843](#)

**Cytogenetics:** 10 49.26 cM

**Gene Summary:** Adapter protein that associates with PIDD1 and the caspase CASP2 to form the PIDDosome, a complex that activates CASP2 and triggers apoptosis. Also recruits CASP2 to the TNFR-1 signaling complex through its interaction with RIPK1 and TRADD and may play a role in the tumor necrosis factor-mediated signaling pathway.[UniProtKB/Swiss-Prot Function]