

Product datasheet for **RG202050**

RAIDD (CRADD) (NM_003805) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RAIDD (CRADD) (NM_003805) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RAIDD
Synonyms: MRT34; RAIDD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG202050 representing NM_003805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCCAGAGACAAACAAGTACTCCGCTCACTTCGCCTGGAGCTGGGTGCAGAGGTATTGGTGGAGG
 GACTGGTCTTCAGTACCTCTACCAGGAAGGAATCTTGACGAAAACCATATTCAAGAAATCAATGCTCA
 AACACAGGCCTCCGAAAACAATGCTCCTGCTGGATATCCTACCTCCAGGGGCCCTAAAGCATTTGAT
 ACATTCTAGATTCCCTACAGGAGTTCCCTGGGTCAGGGAGAAGCTGAAGAAGGCAAGGGAAGAGGCCA
 TGACCGACCTGCCTGCAGGTGACAGATTGACTGGGATCCCCTCGCACATCCTCAACAGCTCCCCATCAGA
 CCGGCAGATTAACCAGCTGGCCCAGAGGCTGGGCCCTGAGTGGGAGCCCATGGTGCCTGTCTCTGGGACTG
 TCCCAGACGGATATCTACCGCTGTAAGGCCAACCCCCACAACGTGCAGTGCAGGTGGTGGAGGCTT
 TCATCCGTTGGCGGCAGCGCTTCGGGAAGCAGGCCACCTTCCAGAGCCTGCACAACGGGCTGCGGGCTGT
 GGAGGTGGACCCCTCGCTGCTCCTGCACATGTTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG202050 representing NM_003805
 Red=Cloning site Green=Tags(s)

MEARDKQVLRSLRLELGAEVLVEGLVQLYQEGILTENHIQEINAQTTGLRKTMLLLDILPSRGPKAFD
 TFLDSLQEFPPWREKLLKAREEAMTDL PAGDRLTGIPSHILNSSPSDRQINQLAQLGPEWEPVLSLGL
 SQTDIYRCKANHPHNVSQVVEAFIRWRQRFQKQATFQSLHNGLRAVEVDPSSLLHMLE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_003805

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_003805.5](#)

RefSeq Size: 1201 bp

RefSeq ORF: 600 bp

Locus ID: 8738

UniProt ID: [P78560](#)

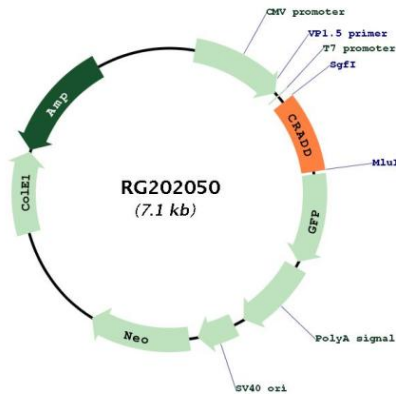
Cytogenetics: 12q22

Domains: DEATH, CARD

Protein Families: Druggable Genome

Gene Summary: This gene encodes a protein containing a death domain (DD) motif. This protein recruits caspase 2/ICH1 to the cell death signal transduction complex, which includes tumor necrosis factor receptor 1 (TNFR1A) and RIPK1/RIP kinase, and acts in promoting apoptosis. A mutation in this gene was associated with cognitive disability. A related pseudogene is found on chromosome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]

Product images:



Circular map for RG202050