

Product datasheet for **MG205230**

Zdhhc19 (BC049761) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Zdhhc19 (BC049761) Mouse Tagged ORF Clone
 Tag: TurboGFP
 Symbol: Zdhhc19
 Synonyms: MGC58833
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >MG205230 representing BC049761
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTTTCTTAAAGGATGCTGTGACACTTGTGAAGGAACCACAACAGCTGCCCTCCATCCCTCTTTCAT
 GGTTCCCTCGAGCGTGTGCTGCCTCAATGTAACGCTGCTGCTGTTTTGAGTGCCCTTTCTTCGG
 ATCCCTTGTAGGTGGCTGGTTCAGAACGGGAGTGGCCTTTCCTGCCATCACAGGACCACTCTTCATC
 CTCACCTTCTCAGTCTCGTCTCGTCAACTTCTCAGACCCTGGTATCTTACATCGAGGCTCCACCAAG
 AGGACCCATGACGGTGCATGTTGTTGAGTGAACCAAGGGCTTCCGCCTGGAATGGTGCCCAAGTG
 CCTCTTCCATCGCCACCCGAACCTACCACTGCCCGTGGTGCAACATTTGCGTGGAGGACTTCGACCAC
 CATTGCAAGTGGGTCAATAAAGTGCATCGGTACCGCAACTTCCGCCTCTTCATGCTGCTGGTCTGTGAC
 TCTGTCTACTCGGGAGCCCTGCTGGTCACTGCCTGACATTCCTATTTGCGACAAGGCATCTGCCCTT
 CTCCCTGGACAAGGGGATGGCCATCCTGGTGGCTGTGCCCGTGGCGGCTTTTTGATTCCGCTCTTCCTG
 CTGCTGCTGATCCAGGCCCTATCTGTGAGCAGGGCGGAGAGCTCTACGAGAGCAAGTGCAGGTACCATC
 CGGAATAACAACCTTTTGACCAGGGCTTTGCCAAGAAGTGGTATCTGGCAATGTTTGACCACTGGGTCC
 CAATTACATGTCTGAAGTTGTCTGTCTGCAAAGACCAGTGGGACAGCATGGATCCAAGAGAAGACAAG
 CCCTCACCAACAGTCTCCTAAACTGTAGGCCAGGTCTCCGGGGCCCAAGCAACCTCGGGCGG
 TTCCAGGGAAGGGGCCCCAGGGAGTGGAGAGGCTGCAGCTCTCCAAGAGATGCGAAGGCTGCCTGCATC
 TGTGAAAAGTCCCAGGAGTCCACGCCAACCCACGGCTGAACCTGCCGCTGGAGACCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205230 representing BC049761
 Red=Cloning site Green=Tags(s)

MPFLKDAVTLVKEPQQLPSIPLSWFPSSVFAAFNVTLFLSGLFFGFPCRWLQNGEWAFPAITGPLFI
 LTFFSLVSLNFSDPGILHRGSKEDPMTVHVVRVNQRAFRLWCPKCLFHRPPRTYHCPWCNICVEDFDH
 HCKWVNNCIGHRNFRLLVLSLCLYSGALLVTCLTFLFRTRHLPFSLDKGMAILVAVPAAGFLIPLFL
 LLLLIQALSYSRAESSYSEKCRYHPEYNPFDQGF AKNWYLAMFAPLGPNYMSEVVCLQRVGTAWIQEKTK
 PSPFRRPKHCRPGPPGPQHPRRVPGKPPGSGEAAALQEMRRLPASVEKSPGGPRPTAEPAAAGDP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: BC049761

ORF Size: 1043 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: [BC049761](#), [AAH49761](#)

RefSeq Size: 1339 bp

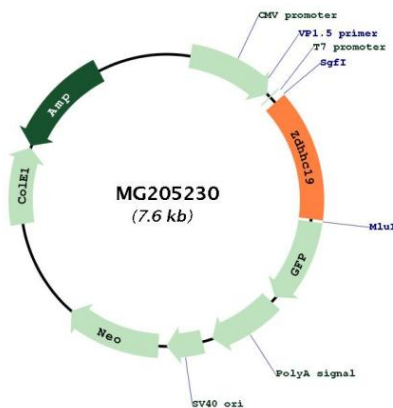
RefSeq ORF: 1043 bp

Locus ID: 245308

Cytogenetics: 16 B3

Gene Summary: Palmitoyltransferase that mediates palmitoylation of STAT3 and RRAS. Palmitoylation of STAT3 induces the homodimerization and transcriptional activation of STAT3, thereby, promoting inflammation and cancer. Palmitoylation of RRAS is linked to cell viability. May be involved in S-stearoylation of STAT3.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205230