

Product datasheet for **MG202224**

Mras (NM_008624) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mras (NM_008624) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mras
Synonyms: 2900078C09Rik; AI326250
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG202224 representing NM_008624
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGACCAGCGCTGTTCCAAGTGAAAACCTTCCACATATAAACTAGTAGTGGTGGGAGATGGTGGTG
 TGGGCAAGAGTGCCTCACTATTCAGTTTTCCAGAAGATCTTTGTGCCTGACTACGACCCACCATTGA
 AGACTCCTACCTGAAGCATACAGAGATTGACAATCAGTGGCCATCTGGATGTTCTGGACACAGCCGGG
 CAGGAGGAGTTCAGTCCATGCGGGAACAATACATGCGCACAGGGGATGGCTTCCTCATTGTCTACTCCG
 TCACCGACAAGGCCAGCTTCGAGCACGTGGACCGCTTCCACCAGCTCATTCTGCGTGTCAAGGACAGGGA
 GTATTCCAATGATCCTCGTGGCCAACAAGGTGGATCTGATGCACCTAAGGAAAGTCACCAGGGACCAA
 GGAAAAGAAATGGCAACCAATAACAATATCCCATATATAGAGACCAGTGCCAAGGACCCGCTCTCAACG
 TGGATAAAACCTTCCATGACCTAGTTAGAGTAATTAGGCAACAGGTTCCAGAGAAAAACCAGAAGAAGAA
 AAAGAAGACAAAATGGCGAGGAGACAGGGCCACCGGCACTCACAACCTGCAGTGTGTCATCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG202224 representing NM_008624
 Red=Cloning site Green=Tags(s)

MATSAVPSLENLPTYKLVVVGDDGGVSKSALTIQFFQKIFVDPDYDPTIEDSYLKHTEIDNQWAILDVLDTAG
 QEEFSAMREQYMRDGDGFLIVYSVTDKASFHVDRFHQLILRVKDRESFPMILVANKVDLMHLRKVTRDQ
 GKEMATKYNIPYIETSAKDPPLNVDKTFHDLVRVIRQQVPEKNQKKKKKTKWRGDRATGTHKLQCVIL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_008624.3](#)

RefSeq Size: 1460 bp

RefSeq ORF: 627 bp

Locus ID: 17532

UniProt ID: [O08989](#)

Cytogenetics: 9 E3.3

Gene Summary: May serve as an important signal transducer for a novel upstream stimuli in controlling cell proliferation. Weakly activates the MAP kinase pathway (By similarity).[UniProtKB/Swiss-Prot Function]