

Product datasheet for **MG210785**

Rasa1 (NM_145452) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rasa1 (NM_145452) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rasa1
Synonyms:	Gap; Rasa; RasGAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG210785 representing NM_145452 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCGGCCGAGGCGGGCAGTGAGGAAGGCGGCCCTGCGACGGCGGGCCCCGGCGGGCGCGGCCA
CGGGCTCCAGCGCCTACTCGGCAGCGTGCCGGGTCAAGTTACCCGCGGCCCTGCCGGTGGCAGCCGCCCC
GTGTCCCGGGCTGGCGGACGCCGACTTGGTTGCGGCCCTCGTGGCGGAGCCGCGTGGGGTCCGGGTTCC
CTGGGACCGGGCCGGTGGCCGGTCTTGGGGGCGCCGCGCTGACCGGCAGTGTCTGCTGGCGTGG
CTGGTGTGCGGCCGCCGACCTGCGGGAGACGTCGCTTTCACCAAGGGGACTCTGTCTTGGCTGTGA
GACGCTCGGGCCGGCGCGGATTCCCTCCTCTGCCGCCCTCCTCAGCTGCCCCCTTTGGGCTCCGGT
TTGGGGACCGTGATGAAGGTGACTCCCTGGATGGACCAGAATACGAAGAGGAAGAGGTGGCCATACCGC
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GCAGGCAGGAAATCTGGAAGCTATCTTATAAGAGAGAGTGATCGGAGGCCGGGGTCTTTGTACTTTCA
TTCCTTAGTCAGACAAATGTTGTCAATCATTTTAGGATTATTGCTATGTGTGGTGATTACTACATTGGTG
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AAAATTACTCTATCCAGTTGCACCACAGCCAGTGAAGATAGAAGGCGTGTACGAGCCATTCTGCC
TACAAAAAGTACCAGACTGATGAAATAAGTTTTTTAAAAGGAGATATGTTTATTGTTTCAAAATGAGT
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GAAGCTTATAATTTATTAATGACAGTTGGACAAGTCTGCAGCTTTCTTGTGAGGCCCTCAGATAACTC
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AGTGATGCTCAACTTATTTATTTTGAAGTGAAAAACGAGCTACAAAACAAAAGGGCTAATAGACCTTA
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 GACCTGTCTCGTACTTAGCAGCATTGCATGAGATTTGTGTAGCTCATTAGATGAAGTGAAGCAACTCA
 GCAATGAGCGTGGTGTACAGCAGCAGTACTGAAAAAGCTTCTGGCGATAACAGAACTGCTTCAACAAAA
 ACAAACCAAGTATACAAAACCAATGACATCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG210785 representing NM_145452
 Red=Cloning site Green=Tags(s)

MMAAEAGSEEGPATAGPGGAATGSSAYSAAACRVKLPALPVAAPCPGLADADLVAALGGGAASGSGF
 LGTGPVAGVLGGAALTGSAAGVAGAAAAGPAGDVAFTKGLSLPAETLGPGGFPPLPPPPQLPPLGSG
 LGTVDEGDSLDPPEEEEEVAIPLTAPPTNQWYHGKLDRTIAEERLRQAGKSGSYLIRESDRRPGSFVLS
 FLSQTNVNHFRIIAMCGDYYIGRRFSSLSLIGYYSHVSCLLKGEKLLYPVAPPEPVEDRRRVRAILP
 YTKVPDTDEISFLKGMFIVHNELEDGMMWVTNLRDEQGLIVEDLVEEVGREEDPHEGKIWFHGKISKQ
 EAYNLLMTVGQVCSFLVRPSDNTPGDYSLYFRTNENIQRFKICPTPNQFMMGGRYNSIGDIIIDHYRKE
 QIVEGYLKEPVPMDQDQVLDNTVDGKEIYNTIRRKTKDAFYKNIKKGYLLKKGKGRWKNLYFILEG
 SDAQLIYFESEKRATKPKGLIDLSVCSVYVHDSLFRPNCFQIVVQHFSEEHYIFYFAGETPEQAEDWM
 KGLQAFCSLRKSSPGTSNKRLRQVSSLVLHIEEAHKLPVKHFTNPHYCNIYLSVQVAKTHAREGQNPVWS
 EEVFDLPPDINRFEITL SNKTKSKDPDILFMRCQLSRLQKGHATDEWFLSSHIPLKGIPEGSLRVR
 ARYSMEKIMPEEYSEFKELILQKELHVVYALSHVCGQDRTLLASILLKIFLHEKLESLLCTLNDREIS
 MEDEATTLFRATTLASTLMEQYMKATATQFVHHALKDSILKIMESKQSCELSPSKLEKNEDVNTNLHL
 SILSELVEKIFMASEILPPTLRYIYGCLQKSVQHKWPTNNTMRTRVVSFVFLRLICPAILNPRMFNIIS
 DSPSPIAARTLTLVAKSVQNLANLVEFGAKEPYMEGVNPFIKSNKHRMIMFLDELGNVPELPTTEHSRT
 DLSRDALALHEICVAHSDELRTL SNERGVQHQHVLKLLAITELLQKQKQYTKTNDIR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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:	<u>NM_145452.3</u> , <u>NP_663427.2</u>
RefSeq Size:	5101 bp
RefSeq ORF:	3117 bp
Locus ID:	218397
Cytogenetics:	13 45.05 cM