

Product datasheet for **RG217404**

RASSF2 (NM_170774) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RASSF2 (NM_170774) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RASSF2
Synonyms:	CENP-34; RASFADIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217404 representing NM_170774 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTACAGCCACCAAACGTCCTAGTCCCATGTGGACAAGATAAATACATTTCCAAAAATGAACTTC
TCTTGCACTGAAGACCTACAACCTGTACTATGAAGGCCAGAATTTACAGCTCCGGCACCAGGAGGAAGA
AGACGAGTTCATTGTGGAGGGGCTCCTGAACATCTCTGGGGCCTGCGCCGGCCATTGCGCTGCAGATG
CAGGATGACAACGAACGCATTCGACCCCTCCATCCTCCTCCTGCGACTCTGGCTGTAACTGGGGG
CTCAGGGAACCACTCTGAAGCCCTGACTGTGCCCAAAGTTCAGATCTCAGAGGTGGATGCCCGCCGGA
GGGTGACCAGATGCCAAGCTCCACAGACTCCAGGGCCTGAAGCCCTGCAGGAGGACACCCACAGCTG
ATGCGCACACGCAGTGATGTTGGGTGCGTCGCGTGGCAATGTGAGGACGCCTAGTGACCAGCGCGGAA
TCAGAGCGCACCGCTTCTCCATCAACGGCCATTCTACAACCATAAAGACATCCGTGTTACACACGCGCTA
TGGCTCTGTACCAACGTCGCAATCAACAGCACCATGACCACCCACAGGTCCTGAAGCTGCTGCTCAAC
AAATTTAAGATTGAGAATTCAGCAGAGGAGTTTGCCTTGTACGTGGTCCATACGAGTGGTGAAGAAACA
AGCTGAAGGCCACCGATTACCCGCTGATTGCCGAATCCTCCAGGGCCATGTGAGCAGATCTCCAAAGT
GTTCTAATGGAGAAGGACAGGTGGAGGAAGTCACTACGACGTGGCCAGTATATAAAGTTCGAGATG
CCGGTACTTAAAAGCTTCATTAGAAGCTCCAGGAGGAAGAAGATCGGGAAGTAAAGAAGCTGATGCGCA
AGTACACCGTGTCCGGTAATGATTCGACAGAGGCTGGAGGAGATAGCCGAGACCCAGCAACAATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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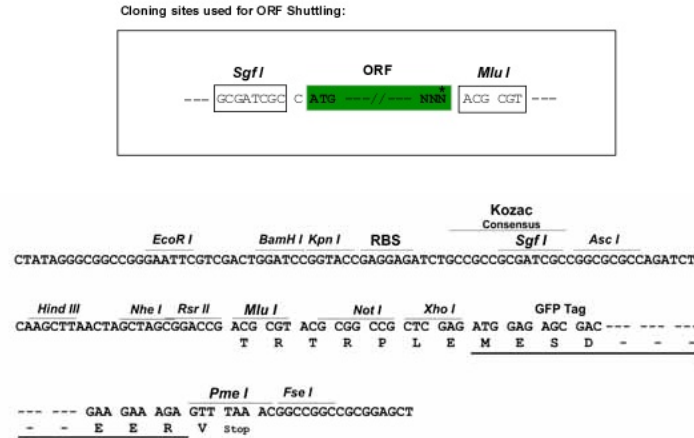
Protein Sequence: >RG217404 representing NM_170774
 Red=Cloning site Green=Tags(s)

MDYSHQTSLVPCGQDKYISKNELLLHLKTYNLYYEQNLQLRHREEEDEFIVEGLLNI SWGLRRP IRLQM
 QDDNERIRPPSSSSWHSGCNLGAQGTTL KPLTPVKVQISEVDAPPEGDQMPSSSTDSRGLKPLQEDTPQL
 MRTRSDVGVRRRGNV RTPSDQRRIRRRHRSINGHFYNHKTSVFTPAYG SVTNVRINSTMTTPQVLKLLLN
 KFKIENSAEEFALYVVHTSGEKQKLKATDYPLIARILQGPCEQISKVFLMEKDQVEEVTYDVAQYIKFEM
 PVLKSF IQKLQEEEDREVKKLMRKYTVLRLMIRQRLEEIAETPATI

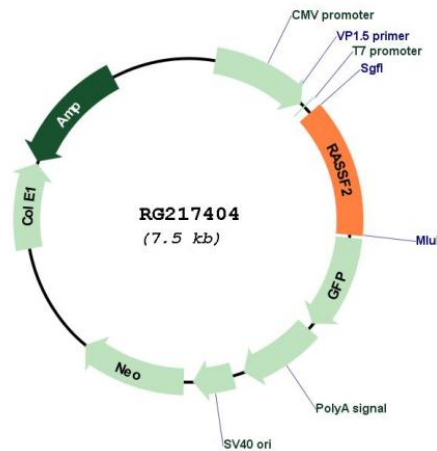
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_170774

ORF Size: 978 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:	<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:	NM_170774.1 , NP_739580.1
RefSeq Size:	5307 bp
RefSeq ORF:	981 bp
Locus ID:	9770
UniProt ID:	P50749
Cytogenetics:	20p13
Gene Summary:	This gene encodes a protein that contains a Ras association domain. Similar to its cattle and sheep counterparts, this gene is located near the prion gene. Two alternatively spliced transcripts encoding the same isoform have been reported. [provided by RefSeq, Jul 2008]