

Product datasheet for **MG220544**

Rps2 (NM_008503) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rps2 (NM_008503) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Rps2
Synonyms: Llrep3; S4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220544 representing NM_008503
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGATGACGCCGGTGCAGCGGGAGGGCCCGGAGGACCCGGGGGCCAGGATTAGGTGGCCGGCG
GCTTCCGCGGAGGATTCGGCAGCGGTCTTAGGGGCCGTGGTCTGGCCGAGGCCGTGGCCGTGGTCGAGG
CCGCGGGGCTCGTGGAGGTAAGCTGAAGACAAGGAGTGGATCCCGTCACCAAGCTGGCCGTCTGGTT
AAGGACATGAAGATCAAGTCCTTGGAGGAGATCTACCTGTTCTCCCTGCCATTAAGGAGTCTGAGATCA
TTGATTTCTTCTGGGTGCGTCCCTAAAGGATGAGGTTCTGAAAATCATGCCAGTGCAGAAGCAGACTCG
GGCTGGCCAGCGGACCAGGTTCAAGGCTTTCGTCGCTATTGGGGACTACAATGGTACGTTGGTCTTGGT
GTTAAGTGCTCCAAGGAGTTGCCACTGCCATCCGAGGGGCCATCATCTTGGCCAAGCTTCCATCGTCC
CTGTGCGGAGAGGCTACTGGGGAAACAAGATTGGCAAGCCCCACTGTTCCATGCAAGGTGACAGGCCG
CTGTGGCTCTGTGCTGGTGCCTCATCCCTGCCCCAGAGGCACTGGCATTGTCTCTGCTCCTGTGCC
AAGAAGCTCCTGATGATGGCCGGTATAGATGACTGCTACACTTCAGCCAGAGGCTGCACTGCCACCCTGG
GCAACTTTGCTAAGGCCACCTTTGATGCCATCTCAAGACTTACAGCTACCTGACTCCCGACCTCTGGAA
AGAGACTGTCTTCAACAAGTCTCCTTATCAGGAATTCACGGATCATCTTGTGAAAACCCACACCAGAGTC
TCTGTTACAGGACCCAGGCTCCAGCTGTGGCTACCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220544 representing NM_008503
 Red=Cloning site Green=Tags(s)

MADDAGAAGGPGGPGGGLGGRGGFRGGFGSGLRGRGRGRGRGRGRGARGGKAEDKEWIPVTKLGRVL
 KDMKIKSLEEIYLFSLPIKESIIDFFLGASLKDEVLKIMPVQKQTRAGQRTRFKAFVAIGDYNGHVGLG
 VKCSKEVATAIRGAIILAKLSIVPVRGGYWGNIKIGKPHVTPCKVTGRCGSVLVRLLIPAPRGTGIVSAPVP
 KKLLMMAGIDDCYTSARGCTATLGNFAKATFDIAISKYSYLLTPDLWKETVFTKSPYQEFTHLKVHTRV
 SVQRTQAPAVATT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008503

ORF Size: 879 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_008503.5](#), [NP_032529.2](#)

RefSeq Size: 1005 bp

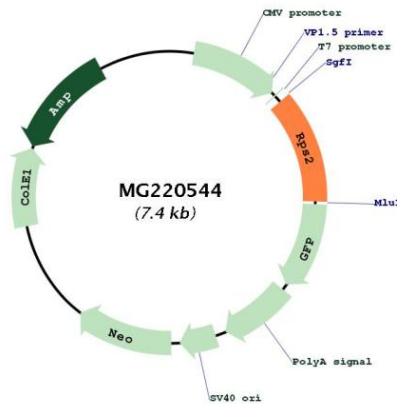
RefSeq ORF: 882 bp

Locus ID: 16898

UniProt ID: [P25444](#)

Cytogenetics: 17 A3.3

Product images:



Circular map for MG220544