

Product datasheet for **MG209042**

Tsr1 (BC031531) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tsr1 (BC031531) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tsr1
Synonyms:	mKIAA1401, RP23-174M12.4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209042 representing BC031531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGCTAAAGTCGCTGATACCATCTGTTCTCTCGACCCACTAGAAGGCTGGGACAGTACGGGGATT
 ATTGCCTGCTTGCCTTTTTGCTCAGGGCCTTCCACCTATACACTAGCTGTCCAGGGCCTTTCTGGCTT
 CCCACCAAAGAAACAAATAGATGCCGAAAGAAGCTAAGTAAACGGTGGAGAAACGCTTTCCTGAAGAC
 AAATTCTGCTCTAGACACGCAGCAGGAATCAGGAATGCTACTTAGACAGTTGGCTAACCAGAAGCAAC
 GGCATCTTGCTTTTGGGATCGGCGAGCTTACTTGTGTTGCCATGTTGCTGACTTCGTGCCTAGTGAGGA
 GAGTGACTTAGTGGGCACCTTGAATATCTCAGGCTATGTTCTGTTGGGAGGACTCTGAATGTAATAGCTTG
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 ATCCTAGAGTGATTAATCCCAGAAGAAACCAACATGGCAATGGAGTTTGTGTACAGATGCTGCTGC
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 TACTGAAGCAACGGTCCAGAGTGGTAAAGAAGTCCCTAAAGGAACATCCAGTTACCAGGCTGAGTGGAT
 TCTGGATGAAGGTGATGAAAGTATGAGGGAAGGTGGTGAATATGATGATATACAACAGAAAGTTTCATG
 GAAGAGGAGTCTCAGGATGGGAGTGGTGAAGAGGAGGAAGAATGTGAACTATGACTCTTGGGGAGT
 CTGTGCGTGACGATCTATACGATGAGAAAGTAGATGAAGAGGACGAGGAGAGAATGTTGGAGAAATATA
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 TATTGAACATGGTGGTGAAGCGGAACCTGGCAACACGGAACCTGTGAAGGCGAAAGAAGATGATCTT
 CCACTGTGGGTTCAAGCGCTTCCGAGCTTCGCCTTTGTTCTCTCAGCACACAGCAGCTGATAAACATAAA
 TTTCAAAGATTCTGACTGCTGATGCTGCCTTAGTGGTACAGTGTTCGCCCAATCACGTTCCCTCCTG
 CATCTGTGCTGCTTTTCAAGCAGAGAAGAAATGGAATGCACAGCCTCATCGCTACAGGCCATCTGTTTTC
 AGTGGACCCAGACAGGATGGTCATAAGAGAGTGGTCTAAGTGGTCATCCTTTTAAATATTTACTAAG
 ATGGCAGTAGTGGGTACATGTTCTTCAACAGAGGATGTGATGTGGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

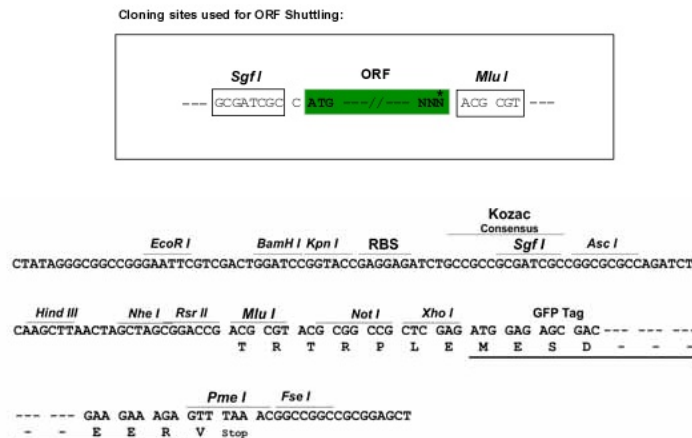
>MG209042 representing BC031531
 Red=Cloning site Green=Tags(s)

MAKVADTILFLLDPLEGWDSTGDYCLSLFAQGLPTYTLAVQGLSGFPPKKQIDARKKLSKTVEKRPED
 KLLLLDTQQESGMLLRQLANQKQRHLAFRRRAYLFAHVADFVPSEESDLVGTLKISGYVRGRTLNVNSL
 LHIVGHGDFQMNQIDAPVDPFPLNPRVIKSQKKPNMAMEVCVTDAADMEEDLKVLMAKADPDHQESLQTE
 AIPDPMEGEQWPTTEELDEADDLLKQSRVVKVVPKGTSSYQAEWILDEGDESDGEGGEYDDIQHEGFM
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 FQKYRGLKSFRTSPWDPKENLPRDYARIFQFQNFVNRKRIFKEIEEKEAEGAEGWYVTLHVSDVPVSV
 VEYFRQGAPLIAFSLLPYEQKMSVLNMVSRNPGNTEPVKAKEELIFHCGFRRFRASPLFSQHTAADKHK
 FQRFLTADAALVVTVFAPITFPPASVLLFKQRRNGMHS LIATGHLF SVDPDRMVIKRVVLSGHPFKIFTK
 MAVVRYMFFNRGCDVV

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC031531

ORF Size: 1728 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC031531](#), [AAH31531](#)

RefSeq Size: 3379 bp

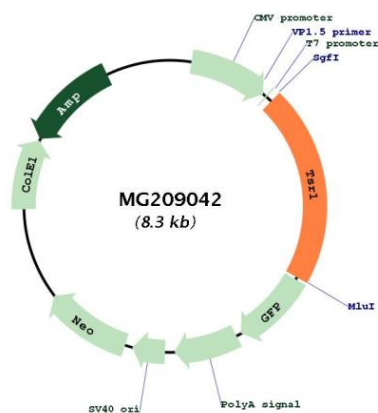
RefSeq ORF: 1730 bp

Locus ID: 104662

Cytogenetics: 11 B5

Gene Summary: Required during maturation of the 40S ribosomal subunit in the nucleolus.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG209042