

Product datasheet for **RG204459**

GAGE7 (NM_021123) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GAGE7 (NM_021123) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GAGE7
Synonyms: AL4; CT4.7; GAGE-7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204459 representing NM_021123
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTTGGCGAGGAAGATCGACCTATTATTGGCCTAGACCAAGGCGCTATGTACAGCCTCCTGAAGTGA
 TTGGGCCTATGCGGCCCGAGCAGTTCAGTGATGAAGTGAACAGCAACACCTGAAGAAGGGGAACAGC
 AACTCAACGTCAGGATCCTGCAGCTGCTCAGGAGGGAGAGGATGAGGGAGCATCTGCAGGTCAAGGGCCG
 AAGCCTGAAGCTGATAGCCAGGAACAGGGTCACCCACAGACTGGGTGTGAGTGTGAAGATGGTCCTGATG
 GGCAGGAGATGGACCCGCAATCCAGAGGAGGTGAAACGCCTGAAGAAGGTGAAAAGCAATCACAGTG
 T

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204459 representing NM_021123
 Red=Cloning site Green=Tags(s)

MSWRGRSTYYWPRPRRYVQPPEVIGPMRPEQFSDEVEPATPEEGEPATQRQDPAAQEGEDEGASAGQGP
 KPEADSQEQGHPQTGCECEDGPDGQEMDPPNPEEVKTPEEGEKQSQ

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1715_g04.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_021123

ORF Size: 351 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.

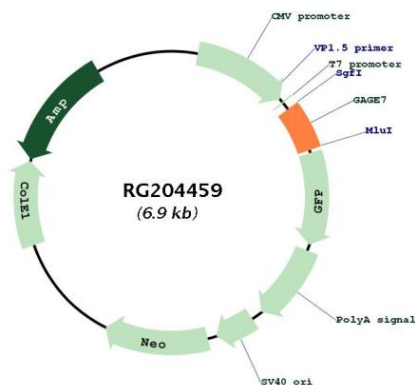
RefSeq: [NM_021123.1](#), [NP_066946.1](#)

RefSeq Size: 524 bp

RefSeq ORF: 354 bp

Locus ID: 2579
 UniProt ID: [O76087](#)
 Cytogenetics: Xp11.4-p11.2

Product images:



Circular map for RG204459