

Product datasheet for **RG206299**

GAGE1 (NM_001468) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GAGE1 (NM_001468) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: GAGE1
Synonyms: CT4.1; GAGE-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206299 representing NM_001468
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTTGGCGAGGAAGATCGACCTATTATTGGCCTAGACCAAGGCGCTATGTACAGCCTCCTGAAATGA
 TTGGGCCTATGCGGCCCGAGCAGTTCAGTGATGAAGTGAACAGCAACACCTGAAGAAGGGGAACCAGC
 AACTCAACGT CAGGATCCTGCAGCTGCTCAGGAGGGAGAGGATGAGGGAGCATCTGCAGGTCAAGGGCCG
 AAGCCTGAAGCTGATAGCCAGGAACAGGGTCACCCACAGACTGGGTGTGAGTGTGAAGATGGTCTGATG
 GGCAGGAGATGGACCCGCAAATCCAGAGGAGGTGAAAACGCCTGAAGAAGAGATGAGGTCTCACTATGT
 TGCCAGACTGGGATTCTCTGGCTTTAATGAACAATTGCTTCTTAAATCTTTCCACGGAACCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206299 representing NM_001468
 Red=Cloning site Green=Tags(s)

MSWRGRSTYYWPRPRRYVQPPEMIGPMRPEQFSDEVEPATPEEGEPATQRQDPAAAQEGEDEGASAGQGP
 KPEADSQEQGHPQTGCECEDGPDGQEMDPPNPEEVKTPPEEMRSHYVAQTGILWLLMNNCFNLNSPRKP

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001468

ORF Size: 417 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_001468.4](#), [NP_001459.2](#)

RefSeq Size: 953 bp

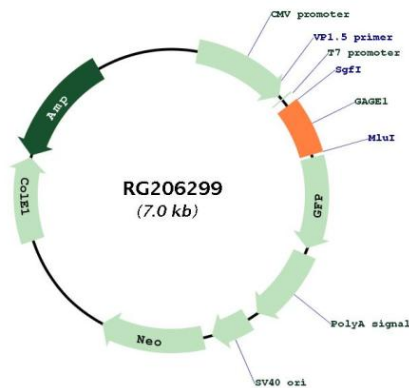
RefSeq ORF: 419 bp

Locus ID: 2543

Cytogenetics: Xp11.23

Gene Summary: This gene belongs to a family of genes that are expressed in a variety of tumors but not in normal tissues, except for the testis. The sequences of the family members are highly related but differ by scattered nucleotide substitutions. The antigenic peptide YRPRPRRY, which is also encoded by several other family members, is recognized by autologous cytolytic T lymphocytes. Nothing is presently known about the function of this protein. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]

Product images:



Circular map for RG206299