

## 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)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTGGCGAGGAAGATCGACCTATTATTGGCCTAGACCAAGGCGCTATGTACAGCCTCCTGAAATGA  
TTGGGCCTATGCGGCCCGAGCAGTTCAGTGATGAAGTGAACAGCAACACCTGAAGAAGGGGAACCAGC  
AACTCAACGT CAGGATCCTGCAGCTGCTCAGGAGGGAGAGGATGAGGGAGCATCTGCAGGTCAAGGGCCG  
AAGCCTGAAGCTGATAGCCAGGAACAGGGTCACCCACAGACTGGGTGTGAGTGTGAAGATGGTCCTGATG  
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.

**RefSeq:** [NM\\_001468.4](#), [NP\\_001459.2](#)

**RefSeq Size:** 953 bp

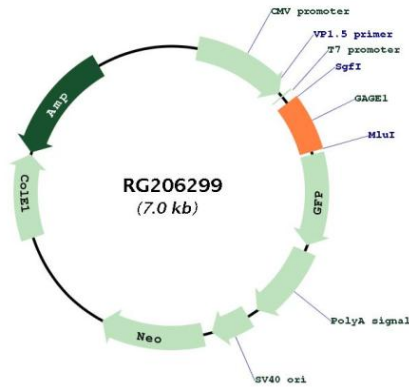
**RefSeq ORF:** 419 bp

**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