

Product datasheet for **SC303028**

GAGE1 (NM_001468) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAGE1 (NM_001468) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAGE1
Synonyms:	CT4.1; GAGE-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001468, the custom clone sequence may differ by one or more nucleotides

```
ATGAGTTGGCGAGGAAGATCGACCTATTATTGGCCTAGACCAAGGCGCTATGTACAGCCTCTGAAATGA  
TTGGGCCATGCGGCCGAGCAGTTCAGTGATGAAGTGGAAACAGCAACACCTGAAGAAGGGGAACCAGC  
AACTCAACGTCAGGATCCTGCAGCTGCTCAGGAGGAGAGGATGAGGGAGCATCTGCAGGTCAAGGGCCC  
AAGCCTGAAGCTGATAGCCAGGAACAGGGTCACCCACAGACTGGGTGTGAGTGTGAAGATGGTCTGATG  
GGCAGGAGATGGACCCGCCAAATCCAGAGGAGGTGAAAACGCCTGAAGAAGAGATGAGGTCTCACTATGT  
TGCCAGACTGGGATTCTCTGGCTTTTAAATGAACAATTGCTTCTTAAATCTTTCCACGGAAACCTTGA
```

Restriction Sites:	Please inquire
ACCN:	NM_001468
Insert Size:	3100 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_001468.1.
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_001468.1](#), [NP_001459.1](#)

RefSeq Size: 646 bp

RefSeq ORF: 417 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 YRPRRRY, 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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).