

## Product datasheet for SC122234

### GAGE1 (BC036094) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GAGE1 (BC036094) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAGE1
Synonyms:	G antigen 1; MGC33825; MZ2-F antigen; OTTHUMP00000025848
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for BC036094 edited  
 CTGCCCGCCCCCTTCGCCACGTGAAGAACCAGGAGCTGTGAGGCAGTGTGTGTGG  
 TTCCTGCCGTCGGACTCTTTTCTCTACTGAGATTCATCTGTGTGAAATATGAGTTGG  
 CGAGGAAGATCGACCTATTATTGGCCTAGACCAAGGCGCTATGTACAGCCTCCTGAAATG  
 ATTGGGCTATGCGGCCCGAGCAGTTTCAGTGATGAAGTGAACCAACACCTGAAGAA  
 GGGGAACCAAGCAACTCAACGTCAGGATCCTGCAGCTGCTCAGGAGGGAGAGGATGAGGGA  
 GCATCTGCAGGTCAAGGGCCGAAGCCTGAAGCTGATAGCCAGGAACAGGGTCACCCACAG  
 ACTGGGTGTGAGTGTGAAGATGGTCTGATGGGCAGGAGATGGACCCGCAAAATCCAGAG  
 GAGGTGAAAACGCTGAAGAAGAGATGAGGTCTCACTATGTTGCCAGACTGGGATTCTC  
 TGGCTTTTAAATGAACAATTGCTTCTTAAATCTTTCCACGAAACCTTGAGTGACTGAA  
 ATATCAAATGGCAAGAGACCGTTTGTCTTCTATCATCTGTGGCATGTGAAGGGCAATCAC  
 AGTGTTAAAAGAAGACATGCTGAAATGTTGCAGGCTGCTCCTATGTTGGAAAATCTTCA  
 TTGAAGTTCTCCCAATAAAGCTTTACAGCCTTCTGCAAAGAAGTCTGTGAATCTTTGT  
 CAATTTTATTTCTAGCTATTTGATGCTGTGAAATGTTTCATTCTTTGCAATTTTGTATTC  
 TATCTCCTTGAGCTGTGTGTAGAGGCATAATTCTCATGTATTGATTTTCTATCCAGCAAC  
 CTTGTTAAATATGCTTATGAATTTTAAAGTTTACTTCTAGGTTTTTTCAGTTTTCAACC  
 TACAGAATCATATCATTTTTGAATAAGAACAATTTGTTTCTGCCTTTTTTGTGTTTT  
 TTCTTTTGTATTTTTCGTAGAGGTGGGATTTTGGCCTGTGTCCTAGGCTTTTTTGAAC  
 CCTGAGCGCAAGTAATCCACTCTCCTGGCCTTCAAAGTGTGGGATTACAGGCATGGG  
 CCACCGTGTGGTCTGTTTTTGGCATTTTAAACCTTTTTATTTCTTTTCTGATTTTAT  
 GGCATTGAGCAGATCTACCGGATACAATTGTGATAGTGGAAATTTTTGTGTTATTCCTGA  
 TGAGAAATGGAAAAATTTCAACATTTCCAGACAATATTTAGTGTACTTTTTTGTAGATG  
 GACTTTTTTCAGAGTAAGTCAAGCCATTCTGTTTTAGTTTGTGAGAGTGTTCATTTTGAA  
 TATATGTTGAATTTTCATCAAACACTGACCTGAGTCATCTAAAACATGTGAATTGAGATT  
 TCTTTGCTACTAAGAAAGTGAGCGGCACTCTGCTTCATGTTTACTTTTTGTCATGTTGCA  
 TGAAAAACATTTTGTCTCATGTTTGTATTCTGTATGTTGAAAACGAAATCATCTATTGTG  
 ATTACCACAGGGTTTTTCCCCAGTAATCTGTTTATGTAGTCAATTACGTTGATAAATC



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TGTA CTTTTTAAATTTTAA CAATTGAGACAGGTC TCACTCTGTCACCCATGCTGACTGCA  
 GTAGTGTGATCACAGCTTACTGCAACCTCAACCTCCTGGGCTCAGGCGATCCTCCCACCT  
 CACCCTCCTCAGTAGCTAGGACTATAGGTACATGCCACCATGCCAAGCTAATTTTTCTGT  
 TTTAGAGATGGTATTTTTTTCATGTTGCCAGGCTGGTTTTATACTCCTAATCTCAAGCCA  
 TCCACTAGCCTCAGCCTCCCAAAGTGTGGGATTACAGGAATGAGTCACGGTGCCTGGAA  
 ATTTTGTACATTTAAACCAACAATTTGGTCATGGGTAATCTATGTCCTAATAATTTATTT  
 AAGGATTTTTATGTATATCCTCATGAGTGACATTACCTGTACTTTTATTTTCATATGCTCA  
 TTTGTTGGACGTTGTATCAAGGTTCTCTAGCTTCATAAAACGGGTTGGTATGTAAAAC  
 CTCTTTTTCCATTCACTGGAACCTCAAGTCTCTCAAGGCTGTGAGTAATGCAGGGCTAGG  
 CTTTCCCATAATGAGCTTTTCTAGAATGCTTCTCTCAGATTTGGACCCTACTTAAACAGC  
 AGTGACCAAACGGGCAGCTCCAGGTACCTATCCCCTCAAACCTTTGTGAGGGTCGCGTTCT  
 CTGAAGATGCCTTTCAATTTGAAAGCTATCTGTTCTGTTTCTCTGCTGATTA AACTC  
 TCTGTGCACAGAAAGTTAAACGTCACTGGTTATTAATTTCCCTAGATTTTGATCTGTGCT  
 GTGTGGCTGAGAAATGGGCTGACTGACCCTAGATCTGTGTATAATTATGACAATGGCTCCA  
 TTTATTTTTAAAATAAGAGGAATTATTATAAAATTCCTATTTACTGGATGTGACTATCT  
 ATGAATTA CTTCTTTGTGCTAGGTTGTGTACATGTATGACCTCTTTAGATCCTCACAAAGA  
 TAAGGCAGAAATTTTCATGAAATTTGATGACTGACTCCAGTAAGAAGCAGATTTGGGGGGAT  
 TTCAATTTCTAAGCTCAAAGCCCTTGCACTTTTCTCAAAGTAAAGCTTTTGAAAGTGTTA  
 AATGTACACGAACTGATGGTGTATATGATGATTTTAGTTGTAATCTGATGTTTTTCTTTAA  
 AAATTTACATATACAAAAGTGTTGACTCAAAGGCTTTGTTCTTCCCTTAAAGGAAGCA  
 TCTACCAAATGTGGCACACAAACCTTGCAATGGTGTCTTAGGGCCTCCTACCCCGCATT  
 TCCCTGCTTTTTCTCTGTTCTGACTGAAAAACAAAGTGCTTTGACTGTGCTGTGACCC  
 AGCCAGCTGCATGTTTACCCAGCATGCTTGAACCAAGCTGGAGCCTTGAACATAAAGGT  
 GTTTAAGTTGTTGCTCAAATATGGAAAGAATCTAGCTCTGGCCTTGAACCAAATCCCTT  
 AA ACTCTCTATAAAACTCCATAACCTGACCCCTCAGTGCGGATATACCTAGGCATGAC  
 ATTCTTGTGCTGTTGCGAGGATGCTTTAGCCTACTCTAAGTTCTCCCAATAAATGCTT  
 TGGACTGATAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for BC036094 unedited  
 GTCANAATTTGTATACGACTCATATAGGCGGCCGCATAACTTCGTATAGCATA CATTATA  
 CGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGCTGCCCGGC  
 CCTTCGCCACGTGAAGAACGCCAGGGAGCTGTGAGGCAGTGCTGTGTGGTTCTCGCCG  
 TCCGGACTCTTTTTCTCTACTGAGATTCATCTGTGTGAAATATGAGTTGGCGAGGAAGA  
 TCGACCTATTATTGGCCTAGACCAAGGCGCTATGTACAGCCTCCTGAAATGATTGGGCT  
 ATGCGGCCGAGCAGTTCAAGTGAAGTGAACAGCAACACCTGAAGAAGGGGAACCA  
 GCAACTCAACGTCAGGATCCTGCAGCTGCTCAGGAGGGAGAGGATGAGGGAGCATCTGCA  
 GGTCAAGGGCCGAAGCCTGAAGTGTATAGCCAGGAACAGGGTCACCCACAGACTGGGTGT  
 GAGTGTGAAGATGGTCTGATGGGCAGGAGATGGACCCGCCAAATCCAGAGGAGGTGAAA  
 ACGCCTGAAGAAGAGATGAGGTCTCACTATGTTGCCAGACTGGGATTCTCTGGCTTTTA  
 ATGAACAATTGCTTCTTAAATCTTTCCCCACGGAACCTTGAGTGACTGAAATATCANAT  
 GGCAAGAGACCGTTTAGTTCTATCATCTGTGGCATGTGANAGGCAATCACAGTGTAAA  
 AAGAAGACATGCTGAAATGTTGCAGGCTGCTCCTATGTTGAAAAATCTTCATTGGAAAGT  
 TCTCCAATAAAGCTTTACAAGCCTTCTGCAAAGAAGTCTTGTGAAATCTTTGTCAAT  
 TTTTATTTCTAGCTCTTTGATGCTGGGAAATGTTCAATCCCTTGAATTTTGGATTCC  
 ATCCCTGGACCGGGGTGAAAGCATAATCCCATGTTTT

**Restriction Sites:**

Please inquire

**ACCN:**

BC036094

**Insert Size:**

3145 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC036094.1</a> , <a href="#">AAH36094.1</a>
<b>RefSeq Size:</b>	3145 bp
<b>Locus ID:</b>	2543
<b>Cytogenetics:</b>	Xp11.23
<b>Gene Summary:</b>	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]