

## Product datasheet for RC219300

### XAGE1 (XAGE1B) (NM\_001097594) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** XAGE1 (XAGE1B) (NM\_001097594) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** XAGE1  
**Synonyms:** CT12.1; CT12.1A; CT12.1B; CTP9; GAGED2; XAGE-1; XAGE1; XAGE1B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC219300 representing NM\_001097594  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGAGCCCCAAAAGAAGAACCAGCAGCTGAAAGTCGGGATCCTACACCTGGGCAGCAGACAGAAGA  
AGATCAGGATACAGCTGAGATCCCAGTGC GCGACATGGAAGGTGATCTGCAAGAGCTGCATCAGTCAAAC  
ACCGGGGATAAACTGGATTTGGTTCCGGCGTCAAGGTGAAGATAATACCTAAAGAGGAACACTGTAA  
ATGCCAGAAGCAGGTGAAGAGCAACCACAAGTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC219300 representing NM\_001097594  
Red=Cloning site Green=Tags(s)  
MESPKKKNQQLKVGILHLGSRQKKIRIQLRSQCATWKVICKSCISQTPGINLDLGSQVVKIIPKEEHCK  
MPEAGEEQPV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1968\\_a08.zip](https://cdn.origene.com/chromatograms/ja1968_a08.zip)

**Restriction Sites:** Sgfl-Mlul



[View online »](#)

**Cloning Scheme:**


**ACCN:** NM\_001097594

**ORF Size:** 243 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_001097594.3](#)

**RefSeq Size:** 622 bp

**RefSeq ORF:** 246 bp

**Locus ID:** 653220

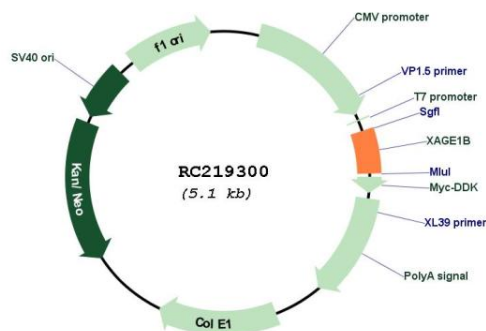
**UniProt ID:** [Q9HD64](#)

**Cytogenetics:** Xp11.22

**MW:** 9.1 kDa

**Gene Summary:** This gene is a member of the XAGE subfamily, which belongs to the GAGE family. The GAGE genes are expressed in a variety of tumors and in some fetal and reproductive tissues. This gene is strongly expressed in Ewing's sarcoma, alveolar rhabdomyosarcoma and normal testis. The protein encoded by this gene contains a nuclear localization signal and shares a sequence similarity with other GAGE/PAGE proteins. Because of the expression pattern and the sequence similarity, this protein also belongs to a family of CT (cancer-testis) antigens. Alternative splicing of this gene, in addition to alternative transcription start sites, results in multiple transcript variants. [provided by RefSeq, Jan 2010]

## Product images:



Circular map for RC219300