

Product datasheet for SC128094

PAGE4 (NM_007003) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAGE4 (NM_007003) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAGE4
Synonyms:	CT16.7; GAGE-9; GAGEC1; JM-27; JM27; PAGE-1; PAGE-4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC128094 sequence for NM_007003 edited (data generated by NextGen Sequencing)

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ATGAGTGCACGAGTGAGATCAAGATCCAGAGGAAGAGGAGATGGTCAGGAGGCTCCCGAT
GTGGTTGCATTTCGTGGCTCCCGTGAATCTCAGCAAGAGGAACCACTGACAATCAG
GATATTGAACCTGGACAAGAGAGAGAAGGAACCTCCGATCGAAGAACGTAAAGTAGAA
GGTGATTGCCAGGAAATGGATCTGAAAAGACTCGGAGTGAGCGTGGAGATGGCTCTGAT
GTAAAAGAGAAGACTCCACCTAATCCTAAGCATGCTAAGACTAAAGAAGCAGGAGATGG
CAGCCATAA
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Clone variation with respect to NM_007003.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_007003 unedited

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GCGGCCGGAATTCGGCACCAGCTTCGCCAGGCTCTCTGCTGACTCAAGTTCTTCAGTTC
ACGATCTTCTAGTTGCAGCGATGAGTGCACGAGTGAGATCAAGATCCAGAGGAAGAGGAG
ATGGTCAGGAGGCTCCCGATGTGGTTGCATTTCGTGGCTCCCGTGAATCTCAGCAAGAGG
AACCACCAACTGACAATCAGGATATTGAACCTGGACAAGAGAGAGAAGGAACACCTCCGA
TCGAAGAACGTAAAGTAGAAGGTGATTGCCAGGAAATGGATCTGAAAAGACTCGGAGTG
AGCGTGGAGATGGCTCTGATGTAAAAGAGAAGACTCCACCTAATCCTAAGCATGCTAAGA
CTAAGAAGCAGGAGATGGGCAGCCATAAGTTAAAAGAAGACAAGCTGAAGCTACACAC
ATGGCTGATGTCACATTGAAAATGTGACTGAAAATTTGAAAATCTCTCAATAAAGTTTG
AGTTTTCTCTGAAGAAAAAANNNNNNANAAANNANNCAAAAAAAAAAACAAAAAA
AAAAAAAAAACTCTGACTCTAAATTGCGGCCGCGGCCATAGCTGTTCCCTGAACAAATC
CCGGGTGGCATCCCTGTAACCCCTCCCCAGGGCCTTTCCCTGGCCGAAAAGTTGCAATT
CCAGGCCACACCTTGGCCAAAAAATAAGTTGATTATTTTGTGACTAGGGGGCCTT
TATAAATA
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_007003 unedited TTGTGAAAACCTCAAACCTTTTGGNGAATTTTCAAATTTCAAGTACATTTTCAATGTGAC ATCAGCCATGTGTAGCTTCAGCTTGTCTTCTTTTAACTTATGGCTGCCCATCTCCTG CTTCTTTAGTCTTAGCATGCTTAGGATTAGGTGGAGTCTTCTCTTTTACATCAGAGCCAT CTCCACGCTCACTCCGAGTCTTTCCAGATCCATTTCTGGCAATCACCTTCTACTTTAC GTTCTTCGATCGGAGGTGTTCTTCTCTCTCTTGTCCAGTTCATATCCTGATTGTCAG TTGGTGGTTCCTTCTGCTGAGATTCACCGGGAGCCACGAATGCAACCACATCGGGAGCCT CCTGACCATTNCTCTTCTGTGGTNTTGATCTCACTCGCGCCCTCATCGCTGCGACTA GAAGATCGTGAAGTGAAGAACTTGNNNACCCAGAAAGCCCGNNAAACTGGCGCCAATC CCCGGGCGCCCTTAGNGAGTCNCTTTTCAAANNCCGGCGGGTAAAAAAGGCGCCGTTGC TTATAAAACCCACCCGCTCCNCCACCCTNNNNACGGGCCCCCGCCNAAGTTACATCT ACATNAGNNCNCNNCTGGTCGNNCCTACCACNNNTCCCTTCGNCCTCCNNCGATGC TCTCCCGCCCCCNCNCCGNAACGCGCCATCCCCCGGCTNAACCGACCTTNNNAATA AATTGCTTNACCACNCCNACGCATCGATGCCAGTAGGNNCCACGCCCCGCGNCCACGT ATGGCAGAANAAGCCCGTCTAACCTCGCACGGCCCCGCTATCTTACTCTCCACCGAAC ATTGATTGTNNAATCTCNCCTTCTCGGCGCCCTGCACTCCACNCATCCNCCGTC
Restriction Sites:	NotI-NotI
ACCN:	NM_007003
Insert Size:	6000 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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_007003.2</u> , <u>NP_008934.1</u>
RefSeq Size:	493 bp
RefSeq ORF:	309 bp
Locus ID:	9506
UniProt ID:	<u>O60829</u>
Cytogenetics:	Xp11.23

Gene Summary:

This gene is a member of 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 prostate and prostate cancer. It is also expressed in other male and female reproductive tissues including testis, fallopian tube, uterus, and placenta, as well as in testicular cancer and uterine cancer. The protein encoded by this gene shares sequence similarity with other GAGE/PAGE proteins, and also belongs to a family of CT (cancer-testis) antigens. The protein may play a role in benign and malignant prostate diseases. A related pseudogene is located on chromosome 7. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.