

Product datasheet for **RC204459**

GAGE7 (NM_021123) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GAGE7 (NM_021123) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GAGE7
Synonyms: AL4; CT4.7; GAGE-7
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC204459 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTTGGCGAGGAAGATCGACCTATTATTGGCCTAGACCAAGGCGCTATGTACAGCCTCCTGAAGTGA
TTGGCCATGCGGCCGAGCAGTTCAGTGATGAAGTGAACAGCAACACCTGAAGAAGGGGAACCAGC
AACTCAACGTGAGGATCCTGCAGCTGCTCAGGAGGAGAGGATGAGGGAGCATCTGCAGGTCAAGGGCCG
AAGCCTGAAGCTGATAGCCAGGAACAGGGTCACCCACAGACTGGGTGTGAGTGTGAAGATGGTCTGATG
GGCAGGAGATGGACCCGCAATCCAGAGGAGGTGAAAACGCCTGAAGAAGGTGAAAAGCAATCACAGTG
T

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204459 protein sequence
Red=Cloning site Green=Tags(s)

MSWRGRSTYYWPRPRRYQPPEVIGPMRPEQFSDEVEPATPEEGEPATQRQDPAAAQEGEDEGASAGQGP
KPEADSQEQGHPQTGCECEDGPDGQEMDPPNPEEVKTPEEGEKQSQC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6013_e12.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_021123

ORF Size: 351 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_021123.3](#)

RefSeq Size: 498 bp

RefSeq ORF: 354 bp

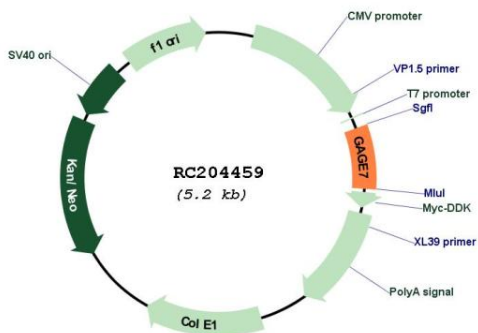
Locus ID: 2579

UniProt ID: [O76087](#)

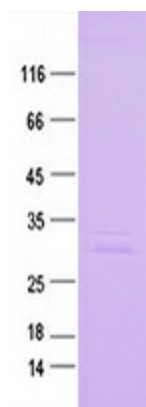
Cytogenetics: Xp11.4-p11.2

MW: 12.9 kDa

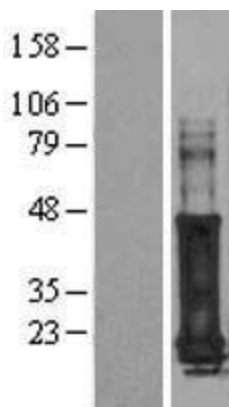
Product images:



Circular map for RC204459



Coomassie blue staining of purified GAGE7 protein (Cat# [TP304459]). The protein was produced from HEK293T cells transfected with GAGE7 cDNA clone (Cat# RC204459) using MegaTran 2.0 (Cat# [TT210002]).



Western blot validation of overexpression lysate (Cat# [LY402838]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204459 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).