OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC213979

GAGE13 (NM_001098412) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAGE13 (NM_001098412) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAGE13
Synonyms:	GAGE-12A; GAGE-13; GAGE12A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC213979 representing NM_001098412
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTGGCGAGGAAGATCGACCTATTATCGGCCTAGACCAAGACGCTACGTAGAGCCTCCTGAAATGA
TTGGGCCTATGCGGCCCGAGCAGTTCAGTGATGAAGTGGAACCAGCAACACCTGAAGAAGGGGAACCAGC
AACTCAATGTCAGGATCCTGCAGCTGCTCAGGAGGGAGAGGATGAGGGAGCATCTGCAGGTCAAGGGCCG
AAGCCTGAAGCTGATAGCCAGGAACAGGGTCACCCACAGACTGGGTGTGAGTGTGAAGATGGTCCTGATG
GGCAGGAGATGGACCCGCCAAATCCAGAGGAGGTGAAAACGCCTGAAGAAGGTAAAAAGCAATCACAGTG
T

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213979 representing NM_001098412
Red=Cloning site Green=Tags(s)

MSWRGRSTYYRPRPRRYVEPPEMIGPMRPEQFSDEVEPATPEEGEPATQCQDPAAAQEGEDEGASAGQGP
KPEADSQEQGHPQTGCECEDGPDGQEMDPPNPEEVKTPEEGKKQSQC

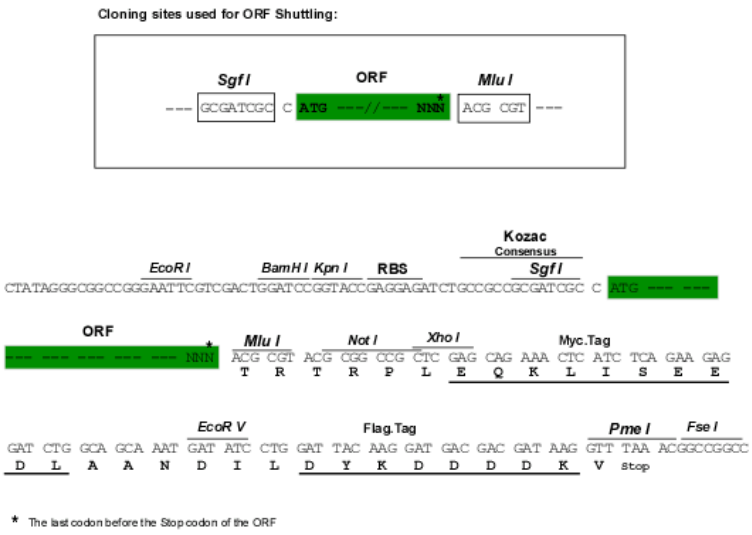
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8029_c01.zip

Restriction Sites: SgfI-MluI

View online »

Cloning Scheme:



ACCN: NM_001098412

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_001098412.1, NP_001091882.1

RefSeq Size: 527 bp

RefSeq ORF: 354 bp

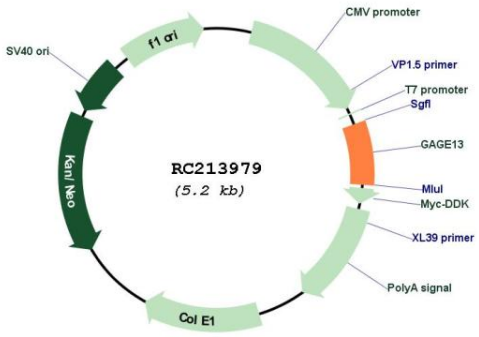
Locus ID: 645051

UniProt ID: Q4V321

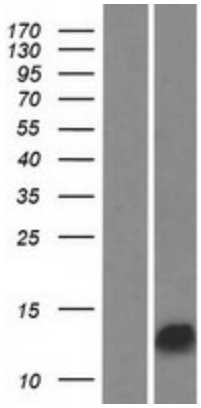
Cytogenetics: Xp11.23

MW: 12.7 kDa

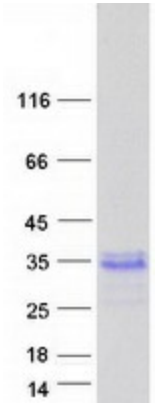
Product images:



Circular map for RC213979



Western blot validation of overexpression lysate (Cat# [LY420576]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213979 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified GAGE13 protein (Cat# [TP313979]). The protein was produced from HEK293T cells transfected with GAGE13 cDNA clone (Cat# RC213979) using MegaTran 2.0 (Cat# [TT210002]).