

Product datasheet for **MR219846**

Gkn1 (NM_025466) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gkn1 (NM_025466) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gkn1
Synonyms: 2200002K21Rik; AMP-18; BRICD1; Fov
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219846 representing NM_025466
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGCTCACAATGTTTCGTCGTTGGTCTGCTTGGCCTCCTTGCAGCTCCTGGTTTTGCTTACACGGTCA
ACATCAATGGTAATGATGGCAATGTAGACGGAAGTGGACAGCAGTCGGTGAGCATCAATGGTGTGCACAA
CGTGGCCAATATCGACAACAATAACGGCTGGGACTCCTGGAATAGCCTCTGGGACTATGAAAACAGTTTC
GCTGCCACGAGACTCTTCTCCAAGAAGTCATGCATTGTGCACAGAATGAACAAGGATGCCATGCCCTCCC
TTCAGGACCTCGATAACAATGGTCAAGGAACAGAAGGGTAAAGGGCCTGGAGGAGCTCCTCCAAGGACTT
GATGTACTCCGTCAACCCCTACCAGAGTGGAGGACCTGAATACATTTCGGACCAAAGATTGCTGGCATGTGC
AGGGGCATCCCTACCTATGTGGCCGAGGAGATTCCAGGACCAAACCAGCCTTTGACTCAAAGAAGTGCT
ACACAGCTGACATACTCTGGATTCTGCGGATGTCTTCTGTGGAACATCAGTGGAGACATAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219846 representing NM_025466
Red=Cloning site Green=Tags(s)

MKLTMFVVGLLGLLAAPGFAYTVNINGNDGNVDGSGQQSVSINGVHNVANIDNNGWDSWNSLWDYENSF
AATRLFSKKSCI VHRMKNKDAMPSLQDLDTMVKEQKKGPGGAPPKDL MYSVNPTRVEDLNTFGPKIAGMC
RGIPTYVAEEIPGNQPLYSKKCYTADILWILRMSFCGTSVETY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

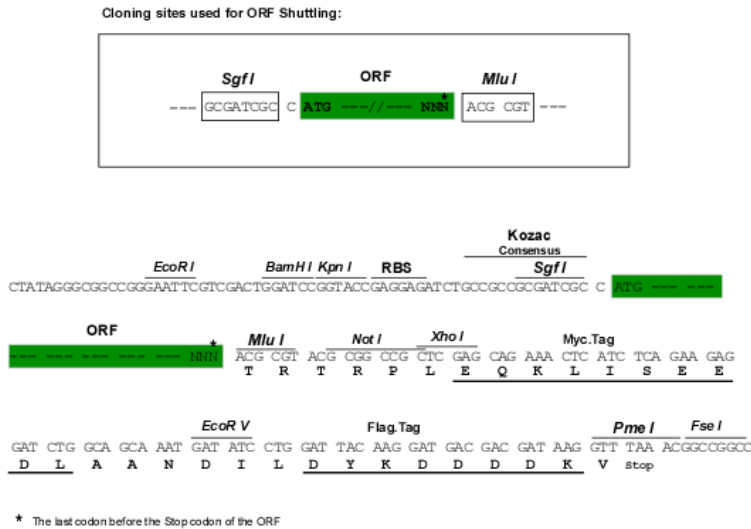
Chromatograms: https://cdn.origene.com/chromatograms/mm9006_g04.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_025466

ORF Size: 552 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_025466.1](#), [NP_079742.1](#)

RefSeq Size: 1220 bp

RefSeq ORF: 555 bp

Locus ID: 66283

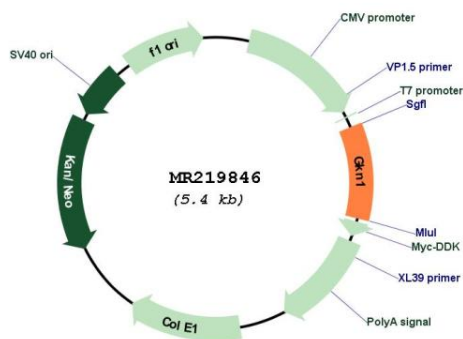
UniProt ID: [Q9CR36](#)

Cytogenetics: 6 D1

MW: 20.6 kDa

Gene Summary: Has mitogenic activity and may be involved in maintaining the integrity of the gastric mucosal epithelium.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219846