

Product datasheet for **RC217041**

KAAG1 (NM_181337) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KAAG1 (NM_181337) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: KAAG1
Synonyms: RU2AS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC217041 representing NM_181337
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGACGACGCGGCCCGCGTAGAAGGGGTCCCGTTGCGGTACACAAGCACGCTCTTCACGACG
GGCTGAGACAGGTGGCTGGACCTGGCGCTGCTGCCGCTCATCTTCCCGCTGGCCGCCGCTCAGCTCGC
TGCTTCGCGTCGGGAGGCACCTCCGCTGTCCAGCGGCCACCCGACCCAGGGCGGGATCGCCTCCT
GAAACGAACGAGAACTGACGAATCCACAGGTGAAAGAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC217041 representing NM_181337
Red=Cloning site Green=Tags(s)
MDDDAAPRVEGVPVAVHKHALHDGLRQVAGPGAAAHLPRWPPQLAASRREAPPLSQRPHTQGAGSPP
ETNEKLTNPQVKEK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8017_h07.zip

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:


ACCN: NM_181337

ORF Size: 252 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.

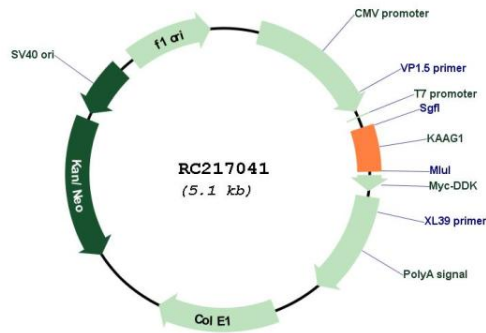
RefSeq: [NM_181337.4](#)

RefSeq Size: 1382 bp

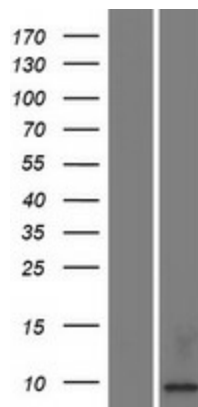
RefSeq ORF: 255 bp

Locus ID: 353219

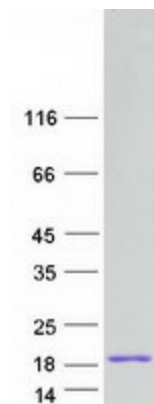
UniProt ID: Q9UBP8
 Cytogenetics: 6p22.3
 MW: 8.8 kDa

Product images:


Circular map for RC217041



Western blot validation of overexpression lysate (Cat# [LY405792]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC217041 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified KAAG1 protein (Cat# [TP317041]). The protein was produced from HEK293T cells transfected with KAAG1 cDNA clone (Cat# RC217041) using MegaTran 2.0 (Cat# [TT210002]).