

## Product datasheet for **RC236819**

### ALKBH6 (NM\_001297701) Human Tagged ORF Clone

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | ALKBH6 (NM_001297701) Human Tagged ORF Clone                                   |
| Tag:                      | Myc-DDK                                                                        |
| Symbol:                   | ALKBH6                                                                         |
| Synonyms:                 | ABH6                                                                           |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-Entry (PS100001)                                                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                           |
| ORF Nucleotide Sequence:  | >RC236819 representing NM_001297701<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAGGAGCAGGACGCCAGAGTCCCAGCCCTGGAACCGTTCAGAGTGGAGCAGGCACCACCTGTAATCT  
ACTATGTCCCTGACTTCATCTCCAAAGAAGAGGAGGAGTATTTGCTTCGACAGGTTTTAATGCCCAA  
GCCAAAGTGGACCCAGCTCTCTGGGAGAAAGTTACAGAACTGGGGTGGGCTTCCTCATCCCCGAGGGATG  
GTTCTGAGCGGCTGCCCCATGGCTCCAGCGCTACGTGGACAAAGTGCAAACCTCAGCCTCTTTGGAG  
GCCTCCAGCTAACCATGTCCTCGTGAACCACTATCTGCCTGGGAGGGCATCATGCCCCACGAGGACGG  
ACCACTGTACTACCCGACTGTCAGCACCATCAGCCTGGGCTCCCACACCGTGCTGGACTTCTACGAGCCG  
CGGCGGCCAGAGGACGATGACCTACAGAACAGCCTCGGCCTCCGCCCGGCCACCACTCGCTACTGC  
TGAACCGCGCAGCCTGCTGGTGTCTCCGCGGCCCGCCTACACGCGTCTTCTCCACGGCATCGCCCGGC  
CCGCGTAGACGCGCTGGACGCCGCTCTCGCCGCCCAATGCGGCAGCCTGCCCGTCGGCGCGGCCGGGA  
GCCTGCCTGGTGC GCGGCACCCGGGTCTCGTGACCATCCGCCGCTGCCCGCGTGCTGCGCGCCGGCC  
TCCTGCTGGGCAAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA



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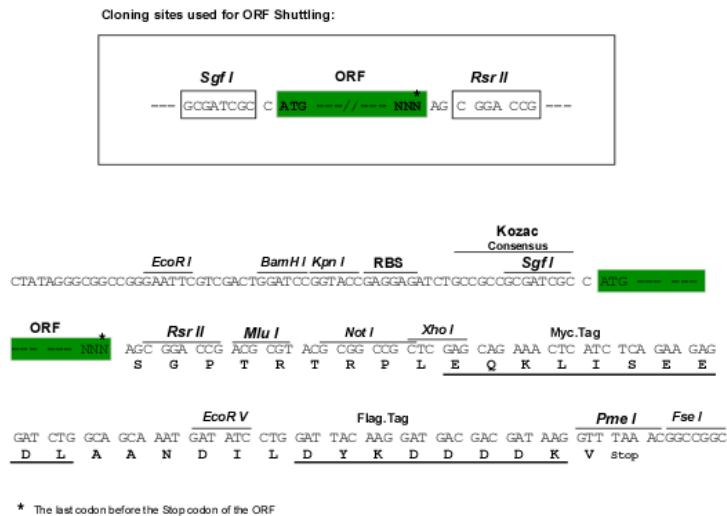
**Protein Sequence:** >RC236819 representing NM\_001297701  
 Red=Cloning site Green=Tags(s)

MEEQDARVPALEPFRVEQAPPVIYYVPDFISKEEEYLLRQVFNAPKPKWTQLSGRKLQNWGGLPHPRGM  
 VPERLPPWLQRYVDKVSNSLFGGLPANHYLVNQYLPGEIMPHEHGPLYPTVSTISLGSHTVLDYEP  
 RRPEDDDPTEQPRPPRPPTTSLLEPRSLVLRGPAYTRLLHGIAAARVDALDAASSPPNAAACPSARPG  
 ACLVRGTRVSLTIRRVPRVLRAGLLLGK

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-RsrII

**Cloning Scheme:**



**ACCN:** NM\_001297701

**ORF Size:** 714 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001297701.2](#)

**RefSeq Size:** 1078 bp

**RefSeq ORF:** 717 bp

**Locus ID:** 84964

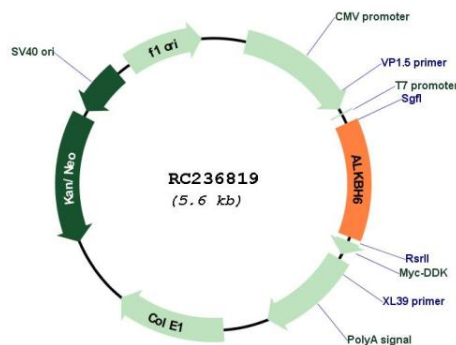
**UniProt ID:** [Q3KRA9](#)

**Cytogenetics:** 19q13.12

**MW:** 26.9 kDa

**Gene Summary:** Probable dioxygenase that requires molecular oxygen, alpha-ketoglutarate and iron. [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC236819