

Product datasheet for **RG236819**

ALKBH6 (NM_001297701) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | ALKBH6 (NM_001297701) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | ALKBH6 |
| Synonyms: | ABH6 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >RG236819 representing NM_001297701. Blue=ORF Red=Cloning site Green=Tag(s) |

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGAGCAGGACGCCAGAGTCCCAGCCCTGGAACCGTTCAGAGTGGAGCAGGCACCCTGTAATC
TACTATGTCCTGACTTCATCTCCAAAGAAGAGGAGGAGTATTTGCTTCGACAGTTTTTAATGCCCCA
AAGCCAAAGTGGACCCAGCTCTCTGGGAGAAAGTTACAGAACTGGGGTGGGCTTCCTCATCCCCGAGGG
ATGTTTCTGAGCGGCTGCCCCATGGCTCCAGCGCTACGTGGACAAAGTGTCAAACCTCAGCCTTTT
GGAGGCCTCCCAGCTAACCATGTCCTCGTGAACCAAGTATCTGCCTGGGGAGGGCATCATGCCCCACGAG
GACGGACCACTGTACTACCCGACTGTCAGCACCATCAGCCTGGGCTCCCACACCGTGTGGACTTCTAC
GAGCCCGCGCGGCCAGAGGACGATGACCCACAGAACAGCCTCGGCCTCCGCCCGGCCACCACCTCG
CTACTGCTGGAACCGCGCAGCCTGCTGGTGTCTCCGCGGCCCGCCTACACGCGTCTTCTCCACGGCATC
GCCGCCGCCGCGTAGACGCGCTGGACGCGCCTCCTCGCCGCCCAATGCGGCAGCCTGCCCGTCGGCG
CGGCCGGGAGCCTGCCTGGTGCAGCGCACCCGGGTCTCGTGACCATCCGCCGCGTCCGCCGCGTGTCT
CGCGCCGGCCTCCTGCTGGGCAAG
AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```



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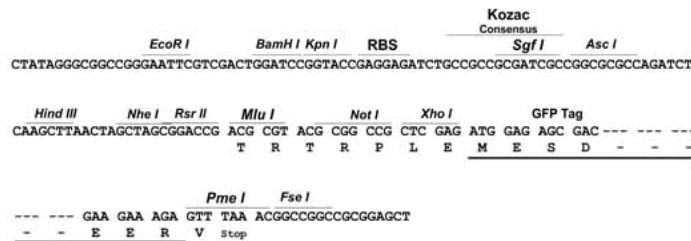
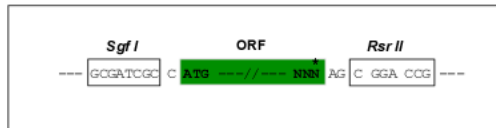
Protein Sequence: >Peptide sequence encoded by RG236819
 Blue=ORF Red=Cloning site Green=Tag(s)

MEEQDARVPALEPFRVEQAPPVIYYVPDFISKEEEYLLRQVFNAPKPKWTQLSGRKLQNWGGLPHPRG
 MVPERLPPWLQRYVDKVSNSLFGGLPANHLVNQYLPGEIMPHEGPLYPTVSTISLGSHTVLDYF
 EPRRPEDDDPTEQPRPPRPTTSLLEPRSLVLRGPAYTRLLHGIAAARVDALDAASSPPNAAACPSA
 RPGACLVRGTRVSLTIRRVPRVLRAGLLLGK
 SGPTRTRPLEMESDESGLPAMEIECRITGTLNQVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLL
 SHVMGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIQDFKVMGTGF
 PEDSVIFTDKIIRSNTAVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGP
 MFAFRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-RsrII

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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.

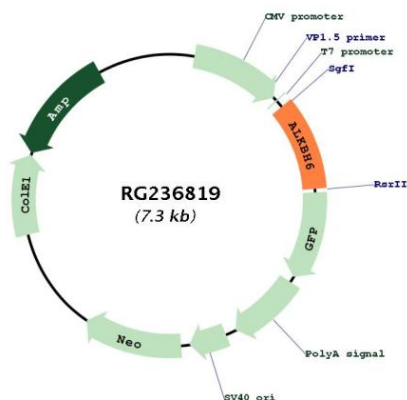
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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 RG236819