

Product datasheet for **MR222054**

Alkbh6 (NM_198027) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alkbh6 (NM_198027) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Alkbh6
Synonyms: Abh6; AI839550; C130099A02
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222054 representing NM_198027
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGAGCAGGACGCCAGGGTCCCAGCACTGGAACCTTTCAGGGTGGAAACAGGCGCCACCTCTAATCT
ACTATGTCCTGACTTCATCTCCAAGGAAGAAGAGGAATATTTGCTTCGACAGGTTTTCAATGCCCAA
GCCAAAGTGGACCCAGCTGTCTGGGAGGAAGCTTCAGAACTGGGGTGGGCTCCCGCATCCTCGGGGATG
GTCCCTGAGCGACTCCCTCCATGGCTTCAACGCTACGTGGACAAAGTGTCTGACCTCAGCCTTTTTGGGG
GTCTCCAGCTAACCATGTCCTTGTGAACAGTATCTGCCTGGGAGGGCATCATGCCTCATGAAGATGG
ACCACTGTACTACCAACTGTCAGCACCATCAGCCTGGGCTCCATACTGTCTCGATTTCTATGAACCT
CGACAGCCAGACGATGATGTCCCTATGGAGCAGCCAGGCTCCTCAACGGCCCATCACCTCGTGTCTGG
TGAACACCGGAGCCTGCTGGTGTCTCCGGGGCACAGCTTACACACGCCTGCTCCACGGCATCTCAGCTAC
CCGTGTGGATGAGCTGGACGCCACCTCGCTGCCACCAATGCCACCGCTTGAAGTCAGCGCTGCCCGGA
GCCACCTGGTGC GCGGCACCCGTGTCTCACTGACCATTGCGCGGTGCCCGTGTCTGCGCGCCAGCC
TCCTGCTGAGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR222054 representing NM_198027
 Red=Cloning site Green=Tags(s)

MEEQDARVPALEPFRVEQAPPLIYYVPDFISKEEEYLLRQVFNAPKPKWTQLSGRKLQNWGGLPHPRGM
 VPERLPPWLQRYVDKVSDDLFLGGLPANHVLVNQYLPGEGIMPHEHGPLYPTVSTISLGSHTVLDYFEP
 RQPDDDVPMEQPRPPQRPITSLLVEPRSLLVLRGTAYTRLLHGISATRVDEL DATSLPPNATAACKSALPG
 AHLVRGTRVSLTIRRVPRVLRASLLLSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_198027

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.

RefSeq: [NM_198027.3](#)

RefSeq Size: 963 bp

RefSeq ORF: 717 bp

Locus ID: 233065

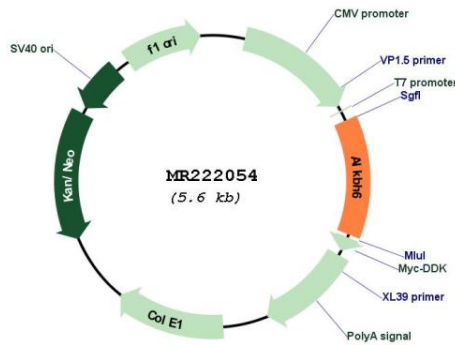
UniProt ID: [Q8K2U2](#)

Cytogenetics: 7 B1

MW: 27.2 kDa

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

Product images:



Circular map for MR222054