

Product datasheet for **RG224553**

ALKBH6 (NM_032878) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALKBH6 (NM_032878) 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:	>RG224553 representing NM_032878 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTGGGAGGGGGATGGGGATGTTGAATTTGAAAATTGGAGGGGACGCTGGTGGACGGATTGGGTGCA
 AGGAGTTGGTGTGATGGAGGAGCAGGACGCCAGAGTCCCAGCCCTGGAACCGTTCAGAGTGGAGCAGGC
 ACCACCTGTAATCTACTATGTCCCTGACTTCATCTCCAAAGAAGAGGAGGAGTATTTGCTTCGACAGGTT
 TTTAATGCCCCAAAGCCAAAGTGGACCCAGCTCTCTGGGAGAAAGTTACAGAACTGGGGTGGCTTCCTC
 ATCCCCGAGGGATGGTTCTGAGCGGCTGCCCCATGGCTCCAGCGCTACGTGGACAAAGTGTCAAACCT
 CAGCCTCTTTGGAGGCCCTCCAGCTAACCATGTCTCGTGAACCAAGTATCTGCCTGGGGAGGGCATCATG
 CCCCACGAGGACGGACCACTGTACTACCGACTGTGACGACCATCAGCCTGGGCTCCACACCGTGCTGG
 ACTTCTACGAGCCGCGCGGCCAGAGGACGATGACCTACAGAACAGCCTCGGCCTCCGCCCCGGCCAC
 CACCTCGCTACTGCTGGAACCGCGCAGCCTGCTGGTGTCCGCGGCCCGCCTACACGCGTCTTCTCCAC
 GGCATCGCCGCCCGCGGTAGACGCGCTGGACGCCGCTCCTCGCCGCCCAATGCGGCAGCCTGCCCGT
 CGGCGCGCCGGGAGCCTGCCTGGTGCAGCGCACCCGGGTCTCGTGACCATCCGCCGCTGCCCGCGT
 GCTGCGCGCCGGCCTCTGCTGGGCAAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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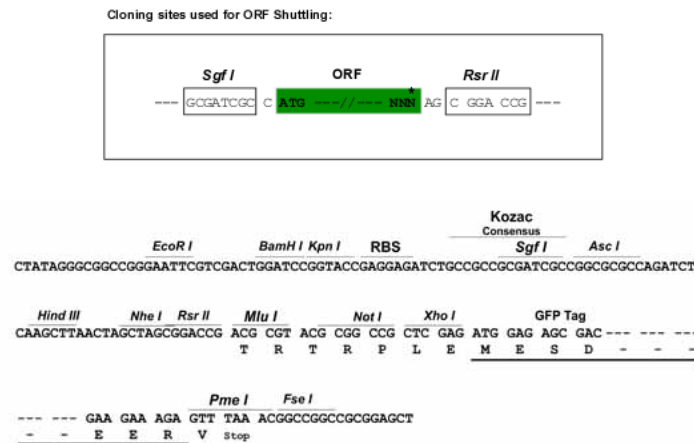
Protein Sequence: >RG224553 representing NM_032878
 Red=Cloning site Green=Tags(s)

MAGRGMGMLNLEIGGDAGGRIGCKELVLMEEQDARVPALEPFRVEQAPPVIYYVPDFISKEEEYLLRQV
 FNAPKPKWTQLSGRKLQNWGGLPHPRGMVPERLPPWLQRYVDKVSNSLFGGLPANHVLVNQYLPGEIGIM
 PHEDGPLYYPTVSTISLGSHTVLDFYEPRRPEDDDPTEQPRPPRPRTTSLLEPRSLLVLRGPAYTRLLH
 GIAAARVDALDAASSPPNAAACPSARPGACLVGRTRVSLTIRRVPRVLRAGLLLGK

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_032878

ORF Size: 798 bp

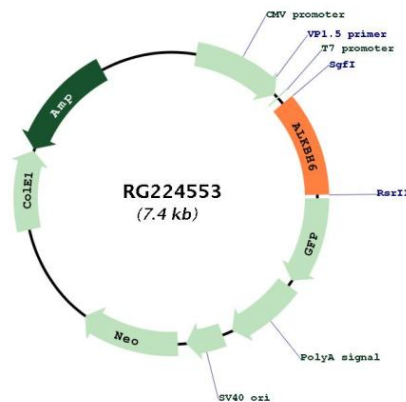
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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:	<u>NM_032878.3, NP_116267.3</u>
RefSeq Size:	980 bp
RefSeq ORF:	801 bp
Locus ID:	84964
UniProt ID:	<u>Q3KRA9</u>
Cytogenetics:	19q13.12
Domains:	2OG-Fell_Oxy
Gene Summary:	Probable dioxygenase that requires molecular oxygen, alpha-ketoglutarate and iron. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG224553