

Product datasheet for MC201625

Alkbh4 (NM_028070) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alkbh4 (NM_028070) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Alkbh4
Synonyms:	2010004B12Rik; Abj4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC022729 sequence for NM_028070
GATAGTCACAGTGCCAAAGGAATAGTGCCACATCCCCAGCCTCAGGCCAGGTCCTCAGAGAAGAAAA
CACAAATGAGAGAATGAGAAATCCCATGCCCTGAGGCCTGAGGCCAGGTTACAGGCTGCATCGCCCTGCGA
CTCCAGGCTCCTCTCCAAGTTGCTTTAGTTCCAAGAAGAGCATCGGAATCCCAGAGGCTCCTGAGGAAGA
AGCTGAGATGGTGCCTGATGGACTGCGACCCCTGGAAGCTCTCACAGTCTGGGAGGAAGAAGCAGGAC
TATGGCCCTAAAGTTAATTTTCGGAAGCAGAAGCTGAAGATGGCAGGCTTCCAGGGTCTCCCTGGCTTTA
GCCAGAAGGTAGTCCAGAGAATGGGCCTTTACCCGGGGCTGGAGGACTTCCAGCCTGTGGAACAGTGCAA
TCTGGACTACAGCCCTGAGCGGGCTCCGCCATCGACCCCACTTGGACGACGCCTGGCTGTGGGGCGAG
CGGCTGGTGAACCTCCTGTCAGCCACAGTGGTGTCCATGTCTCCAGAGGCCCTGGCAGCCTGC
TTCTCTGCTCAGCCCTCCGTGACACCTGATGCTTTTGGAGACAGCCTTGTGGCTCCTAGCAGGCTGT
CCCCTGCCAGGAGGTGGAGGTGGCCATCACAGTACCCCGCGCTCCTTGTGGTGTACAGGGGCCGG
AGGCACCAAGTGGACACACGCCATCCACCGCAGACACATCAAGGCCCGCCTGTGTGCGCCACCTTACGGG
AGCTGTCCAGTGAGTTCCCTGCCTGGAGGGAAGCAGCAAGAACTGGGCCAAGAACTGCTGCAGGCTGCACT
CTCGTTCCAGGGGAGACCGGTGTGATGCTTCCCAGGGCCAGGAGCTGTCACTGGCCTGGCCAAAAGCTT
GGCTCCAGCACAACCATCGGAGGAGCTAACACTGAGGTCTCCCCACAGCAGTAGATTTCGTGGGGTTTTTT
TGAGACAAGGTCTCATGTAGCCAGGCTAGCCTCCAATTAATTGTGTAGCTAAGGATGACCTTGGACTCT
TGCCTTTTCTACCTCCTTCCCAAGCTCTGGCTTGATTATTTTGTGTTTCTCTTTTGGGACAGGG
TCTCCGGCCTAGACTGGCCTCAGACTCTGTTTCCAGCCAAGGATGACTTTGAACTCCGGATCCTCCTGCC
TCTACCTTTGAATGCTGGGATTGCCAGCGTGCACCATCATATGCAATTTTGTCTGTGGGATGGCA
GCAAGCGTTCTGCCAGCTGAGCTACCCACCCCTAGCCTGTTGGGGTTTTTGGAGACAAGGCCTCACA
TGGGCTAGACTGGCCTGGAACCTCCCATCCTCCTGCCTCAGCCTCCAGTGCCTGAGGTGACAGTGTACT
GGTGGGTTTTAGGAGGAGCCATCTGACCTTGACGTCATGAGCATCGTATGTCCTGCCCGGAGCTGGTT
CTGCTGGCCTGGGCTGCGGCCATTCCTCAGCTACTGAGTGTATGTGGAGGATTGAGTCTTTTAG
AACTTCAGTACTTGGGACGAGTAAGGTGGCTCAGTAGCTAAAGGTGCTGCCACCAAGCCTGATGTTCACT
CTCTGCAATCCACGTGGTAAAAGGAGTGTCCCCTGATCTCCACACGCACATCACCCATTTTGATAAAATT
CATAATAAAAGAAAAACCTTGGTCTCATGTGAAAAAAAAAAAAAAAA



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Restriction Sites:	RsrII-NotI
ACCN:	NM_028070
Insert Size:	648 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	BC022729 , AAH22729
RefSeq Size:	1726 bp
RefSeq ORF:	648 bp
Locus ID:	72041
UniProt ID:	Q9D8F1
Cytogenetics:	5 G2
Gene Summary:	<p>Dioxygenase that mediates demethylation of actin monomethylated at 'Lys-84' (K84me1), thereby acting as a regulator of actomyosin-processes. Demethylation of actin K84me1 is required for maintaining actomyosin dynamics supporting normal cleavage furrow ingression during cytokinesis and cell migration. May be involved in transcription regulation (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence and uses an alternate in-frame splice junction compared to variant 3. The resulting isoform (2) is shorter at the N-terminus and lacks an alternate internal segment compared to isoform 3. Variants 2, 4, and 5 all encode the same isoform (2).</p>