

Product datasheet for MC224015

Alpk1 (NM_027808) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Alpk1 (NM_027808) Mouse Untagged Clone
Tag: Tag Free
Symbol: Alpk1
Synonyms: 8430410J10Rik; LAK
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224015 representing NM_027808
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGAATAATCAAGATGCCGTGGCTTCGATACTGCATGAGTGCAAGCAAGTGTGGATCGTCTCTTGTGG
 AAACGCCAGATGTGTCTACAGAGGACAAGAGTGAGGACCAGCGGTGCAGAGCTTCACTCCCCAGCGAGTT
 AAGGACCTGATCCAGGAGGCAGAGGAAATGAAGTGGCCCTTCGTGCCTGAAAAGTGGCAATACAAACAA
 GCCATGAGCCCAGAGGACAAAACAAACCTGCAAGATGTGATTGGCGCCGGGCTGCAGCAGTTACTGGCGG
 CCTTGGCAGCCTCCATCCTTGTCCAGGACTGCGCTGCCGCTCCGCTATTGTCTTCTGTATGGACCGGTT
 CCTGTATGGACTCGACGTCTCCGGAAAACCTCTGCAGGTGCCTCAAGGCTTGCACAAGCTGAAGCCTGCA
 ACGCCCATCGCCCGCAGGTGGTCATCCGACAAGCCGAGTCTCCGTCAACTCAGGGAACTGTTGAAGG
 CAGAATACATCCTGAGCAGCCTGATAAGCAACAACGGAGCAACCGGACCTGGCTGTATAGGAATGAGAG
 TGACAAAGTCTGGTACAGTCGGTCTGCATACAGATCAGAGGGCAGATTCTGCAGAAGCTAGGCATGTGG
 TATGAAGCGGCAGAATTGATATGGGCCCTCTGTATAGGATATCTGACACTCCCTCAGCCAGATAAGAAGG
 GCATTTCCACATCACTGGGCATACTGGCAGACATCTTTGTTCCATGAGCAAAACCGATTATGAAAAGTT
 TAAGAAGAGCCCAAGGTTAACTTGGCCCTGCTCAAGGAGTTTGACCACATTTGTTGTCAGCCTCGGAA
 GCCTGCAAGCTGGCAGCTGCCTTCAGTGCTACACACCCTCTTTGTGCTCACGGCTGTGAATATCCGTTG
 GCACATGTTTGTGTCATATAGCTGTTCTGCTGACTGCCCTCCGGGAATGAAAAGTGTGCATCTGTGTGA
 AGCCAAAGAAGCTTTTGAAGATTGGCCTCCTGACCAAGAAAGATGGCGAGCTGGTTAGTGGCAAGCAGGAG
 CTGCACAGTTTCAAAAGCTGCTTTCGGCCTCACCACGGTGCCTCCAGACTCCATGGGAGACAGATG
 CAGTTCGCGCAGCAAGGCAGCTATGCAGTGAAGCTGTGGGCAAGCTCTACACCTTCAGCACTTCCCCAC
 AAGCCAGGACAGAGAAGGCTGTCTCAGGAAATCATGTCTCTCATCAGCCAGGTGAAGGGACATCTACGA
 GTTCAAAGCTTCCAAATTTAGATGCTTGTCTTATGTCCAGAGAGTTTCAAGTGTGGTTTGTAGTCGAC
 TCATCTTGCATGGACAGTGGATTTCCAACAAATTCTTGAACCTATTCCAGCACCATACTTCAGTGTG
 TGAGGTATTTGAAAGCACTTGTGGGAACAGCAAACGCAACCAGAGAGACAAAAATCGGAGGTCTGTATT
 ACCACTCTGAAGACAGAAAACAAACCCGAGATACTATGGTTGCTACTCTAGAGAGGGTGTGTTCCCAAG



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ACAGCAGGAGTACAGCTTCTTCCAAAATGTCTAAGAAAGATCAAGGGAAGCTCCAAGAGAAAAGGGGGAG
 AAGCTGGACCCATTCCAAGGCATTCCGAGTCTCCCTGGATCTAGATATGGAGACTGAGACTGAGCCACCA
 AATCACAGCAATGGAGGGACAGATGTTTTCAACAAGTCTCTGAGAGACAACTCTAGCTCCTGTTCTTGGG
 GCAGACTGTGAGGGCTCAGCTCTCCACAAGCTGGGAGGAAGTGAAGTGCCTGTTTCAAGATGTAGTAAG
 GAAAGGGTCTGGCCAAGAAGAGCATCCTGTGGAGGCGCAAAGCTCTGAGGCAGCGTCTGAGGAGCCCAAG
 AGGAACAGAAGCAGCAGAGCTGTGTATTTGTCTTCAAAGCTCCGTGGTGTCTCTCTTCAGACAACCTGGAG
 ATGCAACTTAGAGTCTTCACCAAGTCAGTTACACAATCACACATCCATCCTTCTTCAATGCAAAAAGA
 TACTTGTTTGGCCTCGGGTGCAGGACTGGTAGAAACCGCTGAAGGATCTAGCAATCTTCTCTCAGTCC
 AGTCATTTCGTGTGGTCTGATTCTGGTCTTGTCTAGTTCAGACAGGTTACCGGATGTGACCACGAATC
 CTTTCAAGTTCAGGAAGAAGAACCCTCTGGAATAATGGGTGATGTCCAGAATCCAAGTATGACTGTAAAGA
 CTGGCAGCGGAGAAAAGAATGGGGAACTCGCTGAAATATGCACAGGGCCTGAATTAACATCTGCCCCC
 TCTTCGGTCGACCCAGAAGGAGAAACAGCAGAAAGCACAGACGATGGACTATCACCTCTCAGGTAGCCC
 TGGGATGTTTAGAAGGCAGCCATTCAATGTCTACGCGTAGGACTTTCTTCCGGATGGTTCGGTTCAAAA
 CGCTGACTCAGCAAAGACTGGCTGCTCAGTCAGAGACCAGACTGTGACCCTGATGCCTCAACGGTGGAT
 GAGGAGGGCCAAATGCTTGACAGCACAGAGATCTGCTCCATTGGCCAAGATGGCGCTCACAGACCAGTG
 CTTTGAAGTCCGGTCCAGAGTGCAGGAGGGGCCAAAGTCTTTGTAATGGTCCAGTCTTCCCCTATCTT
 CGATGAGGACTTCAGCACACAGAGGAAGGAGAGGAGCTTGGGAGCATGTGAAGAGCAGCCAAAACCTCC
 AGCTCATACTCACCATGGTGGCTAAAATCACCAGCCTTTTCCCGCAGTTCGTCAGATGGGGAAAAGCTCCT
 GGTCTCTGCTGAACTCAAGCAGAAGTTCCTTCGCTCGCTGGCAGGACAGACCAGTCAAGAGATCCTTGA
 GGCTCGAACCCCTACAGCTGATGACCTTGAAAACCTTCTGGCGGGCGTGAGGCATGATTGGCTGCTTCA
 GACTGGAGAACTACTGGCGTTTTGAAGTCCAATCAACTCCAACAAGCCACAGTGCCTTCTGCTAAAAT
 ATTCAAAAAGTCTGAGTTGTGGACAGCGCAGGAACTGTGGTGTATCTGGGAGACTACCTGAAAGTGAA
 GAAGAAGGGCAAGCAGAGAAAATGCATTTTGGTCCACTATCCATCAAGAGGAAAACCTGGGGAGATAC
 GTTGGGAAAGAATACAAAGAGAGGAAGGGCTCCGGCACCACTTCACTGATGTGGAGCGGCAGATGACAG
 CACAGCACTACGTGACAGAGTTTAAACAAGAGACTCTACGAGCAAAAGATTCCGACTCAGATATTCTACAT
 CCCCTCTACAATATTACTGATTTTGAAGACAGGACTATAAAGGGATGCATCAGTGTAGAGCCTTACATC
 CTGGGGGAATTCGTCAAGTTATCCAATAACACCAAAGCAGTCAAAAATGAGTACAAAGCTACAGAATATG
 GCTTGGCCTATGGCCATTTTCTTATGAGTTTCTAACCATAGAGATGTGGTGGTTGATTTACAAGGTTG
 GGTGACTGGTAATGAAAAGGCCTGATCTATCTCAGGATCCTCAGATCACTCTGTAGACCAGAAAGAT
 GTCACTACAACTTTGAAAAGCGGGGAATTTTACTTCTTAATAACCAACATGCAAGCTGTAATGAAA
 TATGCCATCGTCTTCTCTGACTAGACCTTCACTAGAGCAACAAGTAAGGTA TAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_027808
Insert Size: 3696 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_027808.1](#), [NP_082084.1](#)

RefSeq Size: 4795 bp

RefSeq ORF: 3696 bp

Locus ID: 71481

Cytogenetics: 3 G2