

Product datasheet for **MG218950**

Alpk2 (NM_001037294) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alpk2 (NM_001037294) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Alpk2
Synonyms:	Gm549; Hak
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG218950 representing NM_001037294 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACAGATCCAGGCTGCCCGAGAGGGCGCAGCTATGTTTCTTATCAACGTTACTTTCCAGAAGGTTCCGGAGAAGTCTGACGTCGTGCTTCGATGCATGATAGCTGGTCAGCCCAAGCCAGAGGTGACTTGGTATAAGAATGGTCAAGCCATAGACTTGGGAGGCACTGTTCCAGTTATGAGTTCTTTGAGAACCAGTATATTCATTTGTTGCATCTCTCGTGTGTACCCAGAGCGACCGCGTGTACCAGGTCTCGGCAAGAACTGCGTGGGATGATCTGCTGTTCCAGCATCCCTCGAGTCCAGTGTCTGCAGGACCCACAGGTCTCTCCTGATCCTGGAGCGGCAGGGACGCGGCTGGCGAGTGTAAAACAGAGATACGTGAAGAAGACAGCATAAACCCACACGGATGAGAAATGGAATCCTTGTAAAGAAAGGAGAAAGTACAGCTGATTCCTTCGACAAATTCACCATTGAGTTCCACCCAGATAGTGGCTAGGGGTGACTCTGGTGTCTCCAATCTGAGAATCCCAATATATTAAGAAGCAGAGACAAAGGATGGGCGAGTACAATCAAATAACATGCAAGAAAATCTTTTAATCAAATAACACTGCTGAAAAACAAGATGTATCCAGCTCTGGACAGTGAATGCCACTGTGCCAGGGTTAGTTAGTGTGGCCTAGGATACGAAGAATCTAATGAGAGTGTACGCCCTAGTCATCAAACCCCAAAGTACAGAAATACATCAGTTTCAGTCTTCCATTGCCGGAGACAACCCTGGTCTTACCCAGAAGACAGCAACTCCATCAACATGCAGCCGGACCCAGGTTTCCAGCGAAGACTCTGACAGTACTGAACTTTGCCAGAGATAACCCTAACCTACACGGAGGATTTTCGGATGATGACCTGGAGTATCTGGAATGTTCCGATGTTATGACGGATTACTCTAATGCCGTCTGGCAAAGGAGCCTGCAAGGGACTGACCGAGTTTTTTTTATTAGAAAGCGATGACGAAGAGATGGAATTCATGAGTGTGGTCTGGGTGGGTGTGAGCATTCTTCACTGAAATGGGTTGTGGGCTCAGGTGTCCGGTGGCATGTGGTCTATGAATGTTGCCACTGGCTTCTGTAGTTATCACTCACAACTCAGGAAGTGGGTTAGGAGCAGCGAACCTCAGGGCATAGCCGTTACCCTGCATTAGAAATGACTCTTACCCTGGGACCTCACCAGGATGAAACAGCTAAGATGACAGAACCAGGAGGGGCTCCACTCCCTACTGCTCCGAGGCTGTTGAAAAATGATTGTTTCAGGAATTCGGGGAGAAACCAGAGACAACCCTGAAGCAGGAGAGGAATTCCTCCGGTGACAATCTACAGACTATGGATAAGGTAGAGACAGAGGCATCAGTGAAGCCCTTGTCTGGGGCTCAGAT



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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218950 representing NM_001037294
 Red=Cloning site Green=Tags(s)

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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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:	<u>NM_001037294.1</u> , <u>NP_001032371.1</u>
RefSeq Size:	7250 bp
RefSeq ORF:	6435 bp
Locus ID:	225638
UniProt ID:	<u>Q91ZB0</u>
Cytogenetics:	18 E1
Gene Summary:	Kinases that recognize phosphorylation sites in which the surrounding peptides have an alpha-helical conformation.[UniProtKB/Swiss-Prot Function]