

Product datasheet for RN217670

Alk (NM_001169101) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alk (NM_001169101) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Alk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217670 representing NM_001169101 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGAGCCCTTGGGTTCTGTGGCTGCTGCCCGCTGCTTTTGACAGCAGCCTCGTACTCCGGAGCTG
CAACCGATCAGCGCGGGTTCTCCAGCCTCAGGGCCGCTCTGCAGCCCCGGGAGCCGCTCAGCTATTC
GCGCTGCAGAGGAAGAGTCTGGCGGTGGACTTCGTGGTGCCTCACTTCCCGCTATGCCCCGAGAC
CTGCTGCTGCCGAGCCACCGTCCCCCTCGGAGCCCCGGGCTGGCGGGCTGGAGGCGCGGGATCACTGG
CTCTGGACTGCGACCCTCTGCTCAGTTGCTGGGGCCATCGCCTGGAATCTCCTGGGCAGAGGGAGCCAG
TTCTCCTAGTCCGGAGGCGGCTCCGACGCTGTCCAGGGTCTGAAGGGCGGCTCGGTGCGCAAGCTCAGG
CGTGCCAAACAGCTGGTCTGGAGCTGGGCGAGGAGACGATCCTTGAAGGCTGCATTGGTCCCCCAGAGG
AGGCGCGGCTGTGGGATACTCCAGTTCAACCTTAGCGAGCTGTTAGCTGGTGGATTCTACACGGCGA
AGGGCGGCTGAGGATCCGCTGATGCTGAGAAGAAGGCATCGGAAGTGGCAGGGAGGGAAGGCTATCC
ACTGCGATCCGAGCCTCCGACCCCGCCTTCTCTCCAGATCTTCGGGACCGGTACAGCTCCTTGAAT
CACCTCAGAAATGCCTTCTCCTCTGGTAACCTTCTATGGAATCTCACCTGGACAATGAAAGACTCCTT
CCCTTTCCCTTCCACCCGAGTCGATATGGTCTGGAGTGCAGCTTCGATTTCCCTGTGAGCTAGAATAC
TCCCTCCCTCCACACCCATGGGAACAGAGCTGGTCTGGCGCGGTGCCCTCTGAGGAGGCCCTCGA
GGATGAACTTGTGGATGGGCCAGAGGCAGAGCATTTGAAAGAGATGCCAGAGGCTCCTTCTCCTCCT
GAACACCTCTGCAGATCCAAGCATACCATCTGAGCCCTGGATGAGGAGCAGTGTGAGCACTGCACG
CTGGCTGTCTCAGTGCACAGACATCTACAGCCTTCTGGGAGATATGTTGCCAGCTCCTACCCACAATG
AAGCTGGAAGAGAGATTTCTTGGTGCCTACCCCGGGGAAACATGGCTGGACAGTGTGCATGGGAGAGT
CGGGCGCCAGAGAACCATTCCGAGTGGCCCTGGAATACATCTCGAGTGGAAACCGGAGCTTGTCTGCG
GTGGATTTCTTGGCCTGAAGAACTCAGTGAAGGAACATCCCCAGGCTCCAAGATGGCCTTGCAGAGT
CCTTCACTTGTGGAACGGGACAGTCTCCAGCTCGGGCAAGCCTGTGACTTCCACCAAGACTGTGCCCA
AGGAGAAGATGAGGGTACGCTATGCAGTAACTTCTGCTGGGTTTTACTGTAACCTCGAGGATGGCTTC
TGTGGCTGGACCCAAAGTCCACTCTACCCCGTGTGCCCGATGGCAAGTGAAGACCCTGAAAGATACCC
ATTCCAGGGCCACCAAGCCATGCCCTGTTGCTCAGCACCAGTACGACCCCACTTCCAGAAAGTGAAC
AGTGACCAGTGTACATTCGCCGACCAATGAAGAGCTCTCCTTGTGAGCTCCGGATGTCTGGCTCATC



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CGTGGGGTTCTGAAAGGAAATGTATCTTTGGTGCCTGGTGGAGAACAAAACCTGAAAAGGAGCAAAGCCGGA
 CCGTCTGGCATGTTGCCACCAATGAAGGCCTAAGCCTGTGGCAGTGGACAGTGTGTGCGCTCCTCGATGT
 GACTGACAGGTTCTGGCTGCAAAATAGTCACATGGTGGGGCCCAGGATCCAGGGCAACCGTGGCATTGAC
 AACATTTCCATCAGCCTCGACTGCTACCTACCATCAGTGGGGAGGAGAAAATGTCCCTGAATGCAGTAC
 CCAATCCAGAAATCTGTTTGGAAAAACCAACAAGGAGCCAAAACCTGGGCAAACATATCAGGACC
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 ACACAGGCACAGTGCAACAACGCCTACCAGAACTCCAACCTGAGCGTGGTGGTGGGAAGTGAAGGGCCCT
 TGAGGGGCATCCAGATTTGGAAAAGTGCCAGCTACTGACACCTACAGTATCTCAGGCTATGGAGCAGCTGG
 CGGAAAAGGTGGGAAGAACCATGATGCGGTCCCATGGCGTGTCTGCTGGGCATCTTCAATCTGGAG
 AAAGATGACACGCTCTACATCCTTGTGCGTCAACAAGGGGAAGATGCCTGTCCCAGGGCAAACCAACTAA
 TCCAGAAAAGTATGTGTCGGCGAGAACAATGTGATAGAAGAAGAGATCCGAGTGAACAGAAAGCGTTACGA
 GTGGGCAGGAGGAGGAGGAGTGGGGTGGAGCCACCTACGTGTTAAGATGAAAGACGGCGTGCCTGTG
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 GACTGGAGAATAACTCCTCAGTTCAGGGCTGAACGGCAATCCGGAGCCGAGGTGGTGGAGGCGGCTG
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 CCCAGGCCATGAAGAAGTGGGGTGGGAGACAAGAGGGGGTTTCGGAGGGGGTGGAGGGGGTGTCTCT
 CAGGTGGAGGAGGCGGAGGATATAGGTGGCAACGCAGCATCAAACAATGACCCCGAAATGGATGGGGA
 AGATGGGGTTTCTTCATCAGTCCATTGGGTATCCTGTATACCCCGCCTTAAAAGTGTGGAGGGCCAT
 GGGGAAGTGAATATCAAGCACTATCAAACTGCAGCCACTGTGAGGTAGACGAATGTACATGGACCCCG
 AGAGCCACAAAGTCATCTGCTTGTGACCATGGGACCGTGTGGCTGACGATGGTGTCTCTGCAATTGT
 GTCGCCACCCCGGAACCCACCTGCCGCTCTCATTGATCCTCTCCGTCGTGACCTTGCCTGGTGGCC
 GCTCTCGTCTGGCATTCTCCGGCATCATGATTGTGTACCGCCGAAGCACCAGGAGTTGCAAGCTATGC
 AGATGGAGTGCAGAGCCCTGAGTATAAGCTGAGCAAGCTACGGACCTCGACCATCATGACAGACTACAA
 CCCCAACTACTGCTTTGCTGGCAAGACTTCATCCATCAGTGACCTGAAGGAGGTGGCTCGGAAAAACATC
 ACCCTCATCCGGGCCTAGGCCATGGCGCATTTGGGGAGGTGTATGAAGGCCAGGTATCTGGAATGCCCA
 ATGACCCAAGCCCTCTACAAGTGGCTGTAAAGACGCTGCCGGAAGTGTGTTAGAGCAAGATGAGCTGGA
 CTTCTCATGGAAGCTCTGATCATCAGTAAATTCAACCACCAGAACATTGTCGCTGCATCGGGGTGAGT
 CTGCAAGCCCTGCCCGTTCATCTGCTGGAGCTCATGGCTGGTGGAGACCTCAAGTCTTCTCAGGG
 AGACACGTCCTCGCCGAACCCAGCCACCTCCCTGGCCATGTTGGATCTTCTGCACGTAGCTCGGGACAT
 TGCTGTGGCTGTGAGTACCTGGAGGAAAATCACTTTATCCACCCGATATTGCTGCTAGAAACTGTCTG
 CTGACCTGTCCGGGAGCTGGGAGGATAGCGAAGATCGGAGACTTCGGGATGGCCCGAGATATCTACAGGG
 CCAGCTACTACAGAAAGGAGGCTGTGCCATGCTGCCAGTGAAGTGGATGCCCCCGAGGCTTCATGGA
 AGGAATATTTACTTCTAAAACAGATACATGGTCTTTTGGAGTGTGCTGTGGGAAATATTTCTCTTGG
 TATATGCCATACCCAGCAAGAGCAACCAGGAAGTTCTGGAGTTTGTACCAGTGGAGGACGGATGGACC
 CACCTAAGAACTGCCCGGACCTGTATACCGGATAATGACTCAGTGTGGCAGCATCAGCCTGAGGACAG
 ACCCAACTTTGCCATCATTCTGGAGAGGATCGAATACTGCACCCAGGACCCCGATGTATCAATACAGCT
 CTGCCCATCGAATATGGCCCCGTAGTAGAGGAGGAGGAGAAAGTGCCATGCGCCCCAAAGACCTGAGG
 GGATGCCTCCTCTGCTGGTGTCTCCCAGTCTGCGAAGCAGGAGGCGCTCTCAGCCCCCAACCCTC
 AGCCCTGGCAGCGCCAGGCCGCTGGTGAAGAAGCCCTCGGGTGCAGGCGGGAGCGGGTGCCTGCGG
 GTGCCCCGAGGTGCAGCCGATCGGGGCCAGTGAACATGGCGTTCTCTCAGCCCAACCTCCCCCAGAGC
 TGCACAAAAGGCCGGCTCCAGAAAACAAGCCGACCAGCCTGTGGAACCCACCTACGGCTCGTGGTTTAC
 CGAGAAGCCAGCCAAAAGACCCATCCCCACCGGGCGCGGAGCCGAGCCCGGGCAGGAGCGGCGGAG
 GGTGGCTGGACCGGGCCGGTGCGGGGCCCGCAGAGCCGAGGCTGCGCTGCTGCTGAGCCGTGCGCGC
 TCAGCGCCACCATGAAGGAGGTGCCCTGTTAGGCTGCGCCACTTCCCCTGCGGCAACGTCAACTATGG
 TTACCAGCAACAGGCTCTCCCCTTGAAGCCACTGCTGCCCGGGGGACACCGTGTGAAAAGCAAGACT
 AAGGTACCCAGCCAGGGCCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001169101

Insert Size:	4854 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001169101.2, NP_001162572.1</u>
RefSeq Size:	6372 bp
RefSeq ORF:	4854 bp
Locus ID:	266802
Cytogenetics:	6q13
Gene Summary:	human homolog induces neuronal differentiation; may act as a receptor tyrosine kinase in the mitogen-activated protein kinase cascade [RGD, Feb 2006]