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Product datasheet for MC224884

Peak1 (NM_172924) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Peak1 (NM_172924) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Peak1
Synonyms:	1110049L02Rik; 9530046P14; AA690169; BE132841; C230081A13Rik; mKIAA2002; SGK269
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

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>MC224884 representing NM_172924
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCTGCTTGTAACACCTTTACTGAACACGTTTGGAAACCTGGCGAATGCAAGAATTGCTTTAAACCTA
AAAGCTTGCACCAGCTTCCTCCAGACTCTGAGAAGACGCCCATCACCCACGGCAGTGGGAAAACTAATGC
CAATCACAGTAACAACCACCGAGTCAGGAGCACGGGCAACTTCCGGCCCCCTGTGGCTAAAAAGCCCACC
ATCGCTGTGAAGCCCACTATGATGGTGGCAGATGGGCAAAGCGTGTGTGGCGAGCTAAGCATCCAGGAAC
ACTGTGAGAACAAGCCTGTCATCCTGGGGTGGAACCAAAACAAGACGTCCCTGAGCCAGAAACCACTTAA
CAACAATTCTGAAGGTGATGCTGAAGGCTTTGGCAGTGATCCTCAGCAGTGTGCCAATAATGACAGTGCA
CAGAAGATATCCAATAACAACAACGGGCTAACTGAAGTGCTAAAGGAGATAGCGGGCCTGGAAGCCACCC
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ATCCTGAGCGGGAGCGCCGAGGTCATCAGTAACGAAGGGGGCAGGTTCTGCTACCCTGAGTTCTCCAGTG
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CGTTTACAGGAGAAGGATGGCAAGATTGCAGTACATACTGAGAAGCCAGAGAGCAAAGCTTCTACAGATA
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GGGCGACCCAAGATAAAAGGTTCATCTTCTACTCCAAACTCTCCAGTTACATCACCTGCATTGACACCAG
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GACAAATAAATGCCCATCTCAAAAAATCCAGTGCAATCCGATACCAGGAAGTGTGGACGTCCAGCACCAG
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GTTTACTACACTGCCTCGTATGCAAAAGATCCACTCAGTAACTATGCAGTCAAGATCTGCAAGAGCAAAG
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GAAAAGGCAGAGGATGGCACTGAAGACAGCGAAGAAGAGGGGAAGGCAGAAACTTTGGGGGGAAATCCTG
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CAAAACTGGTTAGACATCAAGCGAACCCTGCTGATGATCAAGTTCGCGGAGAAGTCCCTGGACAGAGAGG
GGGGCATCAGCCTGGAGGACTGGCTTTGTGCTCAGTATCTGGCCTTTGCCACTACAGACTCCCTGAGCTA

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TATTGTAAAAATCCTGCAATACCGTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_172924
Insert Size:	5208 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:	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_172924.3, NP_766512.2
RefSeq Size:	10994 bp
RefSeq ORF:	5208 bp
Locus ID:	244895
UniProt ID:	Q69Z38
Cytogenetics:	9 B
Gene Summary:	Probable catalytically inactive kinase. Scaffolding protein that regulates the cytoskeleton to control cell spreading and migration by modulating focal adhesion dynamics. Acts as a scaffold for mediating EGFR signaling.[UniProtKB/Swiss-Prot Function]

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