

## Product datasheet for MR216525

### Peak1 (NM\_172924) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Peak1 (NM_172924) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Peak1
Synonyms:	1110049L02Rik; 9530046P14; AA690169; BE132841; C230081A13Rik; mKIAA2002; SGK269
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216525 representing NM_172924 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCTTGTAAACACCTTTACTGAACACGTTTGGAAACCTGGCGAATGCAAGAATTGCTTTAAACCTA  
AAAGCTTGACCAGCTTCTCCAGACTCTGAGAAGACGCCCATCACCCACGGCAGTGGGAAAACTAATGC  
CAATCACAGTAACAACCACCGAGTCAGGAGCACGGCAACTTCGGCCCCCTGTGGCTAAAAAGCCACC  
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ACTGTGAGAACAAGCCTGTCATCTGGGTGGAACCAAAACAAGACGTCCTGAGCCAGAAACCCTTAA  
CAACAATTCTGAAGGTGATGCTGAAGGCTTTGGCAGTGATCCTCAGCAGTGTGCCAATAATGACAGTGCA  
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GGGCGACCCAAGATAAAAAGGTTTCATCTTCTACTCCAAACTCTCCAGTTACATCACCTGCATTGACACCAG  
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GGGGCATCAGCCTGGAGGACTGGCTTTGTGCTCAGTATCTGGCCTTTGCCACTACAGACTCCCTGAGCTA  
TATTGTAAAAATCCTGCAATACCGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216525 representing NM\_172924  
Red=Cloning site Green=Tags(s)

MSACNTFTEHVWKPGECKNCFKPKSLHQLPPDSEKTPITHGSGKTANHNSNNHRVSTGNFRPPVAKKPT  
IAVKPTMMVADGQSVCGELSIQEHENKPVILGWNQNKTSLSQKPLNNNSEGDAEGFGSDPQQCANND  
SAQKISNNNGLTEVLKEIAGLEATPPVRGNETNARETFLLGRINDCYKRSLEKIPPSMGTSMKDSQ  
GKHVILSGSAEIVISNEGGRFCYPEFSSGEESEEDVLFNMEEEEHESWDESDEELLAMEIRMRGQ  
PRFANFRANTLSPVRFVSKKWNITPLRNKSLQRICAVDYDDSYDEILNGYEENSGVSYGQGSVQ  
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SLTSKSSVKVPETHKAVLALRLQEKDGIKIAVHTEKPEKASTDIAGQAVTISLVPVEEQTKPYRV  
VNLEQPLCKPYTVVDVSAAMASEHLGRPKIKGSSSTPNPVTSPALTPGQINAHLLKSSAIRYQ  
EVWTSSTSPRQKIPKIELSTGGPGPNVPPRNCHKSAPTSPTATNISSKTIPVKSPNLSEIKF  
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DPTDVSPCSATYSNLQGSRAAMIPPKHPRHPKGVDDAIAFG EKTDQEGLNASQPTPPPL  
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SDKPCCEAGDAVYYTASYAKDPLSNYAVKICKSKAKESQYYHSLAVRQSLPVHFNIQD  
CGHFLAEVPSRLLPWEDPDAP EKAEDGTEDSEEEGKAETLGGNPEPCSETEPSQKEN  
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KPYHVTHCDLRLNLLL VQHQPGGAAQGPSPADPCPTLACPTRLIVSNFSQAKQKSHL  
VDPQILRDQSRLAPEIITATQYKKCDEFQTGIL IYEMHLHPNPFDENPELKEKEYT  
RTDLPRIPLRSPYSWGLQQLASCLLNPNP SERILISDAKGILQCLLWGPREDLFQIF  
TTSATLAQKNALLQNWLDIKRTLLMIKFAEKSLDREGGISLEDWLCAQYLA FATDLSYIV  
KILQYR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9008\\_g05.zip](https://cdn.origene.com/chromatograms/mm9008_g05.zip)

**Restriction Sites:**

SgfI-MluI



**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

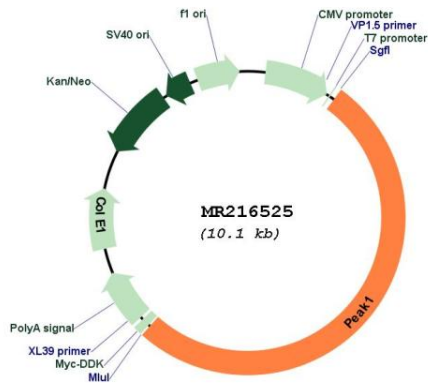
**UniProt ID:** [Q69Z38](#)

**Cytogenetics:** 9 B

**MW:** 191.5 kDa

**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]

**Product images:**



Circular map for MR216525