

## Product datasheet for **RC213427**

### ZIP Kinase (DAPK3) (NM\_001348) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZIP Kinase (DAPK3) (NM_001348) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZIP Kinase
Synonyms:	DLK; ZIP; ZIPK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC213427 representing NM\_001348  
 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCACGTTTCAGGCAGGAGACGTGGAGGACCATTATGAGATGGGGAGGAGCTGGGCAGCGCCAGT  
 TTGCGATCGTGGGAAGTGCCGGCAGAAGGGCACGGGCAAGGAGTACGCAGCCAAGTTTCATCAAGAAGCG  
 CCGCCTGTCTCAGCCGGCGTGGGGTGGAGCGGAGGAGATCGAGCGGAGGTGAACATCCTGCGGGAG  
 ATCCGGCACCCCAACATCATCACCTGCACGACATCTTCGAGAACAAGACGGACGTGGTCTCATCTGG  
 AGCTGGTCTCTGGCGGGAGCTCTTTGACTTCTGGCGGAGAAGGAGTCGCTGACGGAGGACGAGGCCAC  
 CCAGTTCTCAAGCAGATCCTGGACGGCGTTCACTACCTGCACTTAAGCGCATCGCACACTTTGACCTG  
 AAGCCGAAAACATCATGCTGCTGGACAAGAACGTGCCCAACCCACGAATCAAGTCATCGACTTCGGCA  
 TCGCGACAAGATCGAGGCGGGAAACGAGTTCAAGAACATCTTCGGCACCCCGGAGTTTGTGGCCCCAGA  
 GATTGTGAACTATGAGCCGCTGGCCTGGAGGCGGACATGTGGAGCATCGGTGTCATCACCTATATCCTC  
 CTGAGCGGTGCATCCCGTTCTGGGCGAGACCAAGCAGGAGACGCTCACCAACATCTCAGCCGTGAACT  
 ACGACTTCGACGAGGAGTACTTCAGCAACACCAGCGAGCTGGCCAAGGACTTCATTTCGCCGGCTGCTCGT  
 CAAAGATCCCAAGCGGAGAATGACCATTGCCAGAGCCTGGAACATTCCTGGATTAAGGCGATCCGGCGG  
 CGGAACGTGCGTGGTGGAGACAGCGGCCGAAGCCGAGCGGGCGCGCCTGAAGACCACGCGTCTGAAGG  
 AGTACACCATCAAGTCGCACTCCAGCTTCCCGCCAACAACAGCTACGCCGACTTCGAGCGCTTCTCAA  
 GGTGCTGGAGGAGGCGGGCGCCGAGGAGGGCTGCGCGAGCTGCAGCGCAGCCGGCGGCTCTGCCAC  
 GAGGACGTGGAGGCGCTGGCCGCATCTACGAGGAGAAGGAGGCTGGTACCAGGAGGAGCGCAGCC  
 TGGGCCAGGACCTGCGGAGGCTACGGCAGGAGTGTCAAGCCGAGGCGCTCAAGCGCGGCTCAAGCGCGC  
 GGAGGCCAAGGGCGCGCTGCTGGGACCAAGCGCCTCAAGCGCCGCTTCAGCCGCTGGAGAACCGCTAC  
 GAGGCGCTGGCCAAGCAAGTAGCCTCCGAGATGCGCTTCGTGCAGGACCTCGTGCAGCGCCCTGGAGCAGG  
 AGAAGCTGCAGGGCGTGGAGTGGGGCTGCGC

**CTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACG  
 ATAAGGTTTAA**

**Protein Sequence:**

>RC213427 representing NM\_001348  
 Red=Cloning site Green=Tags(s)

MSTFRQEDVEDHYEMGEELGSGQFAIVRKCRQKGTGKEYAAKFIKKRRLSSRRGVSREEIEREVNILRE  
 IRHPNIIITLHDI FENKTDVVLILELVSGGELFDFLAEKESL TEDEATQFLKQILDGVHYLHSKRIAHFDL  
 KPENIMLLDKNVNPRIKLIDFGIAHKIEAGNEFKNIFGTPEFVAPEIVNYEPLGLEADMWSIGVITYIL  
 LSGASPFLGETKQETLTNISAVNYDFDEEYF SNTSELAKDFIRRLVKDPKRRMTIAQSLEHSHWIKAIRR  
 RNVRGEDSGRKPERRRLKTRRLKEYTIKSHSLPPNNSYADFERFSKVL EAAAAEEGLRELQRSRRLCH  
 EDVEALAAIYEEKEAWYREESDSLQDLRRLRQELLKTEALKRQAQEEAKGALLGTSGLKRRFSRLENRY  
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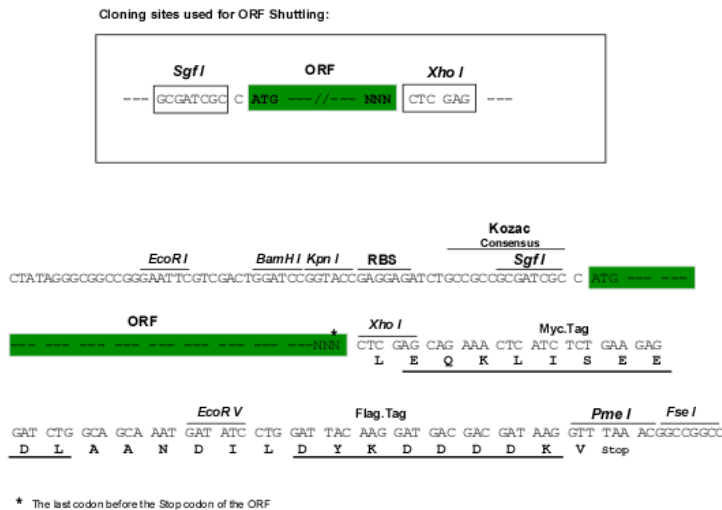
**LEQKLI SEEDLAANDILDYKDDDDKV**

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6273\\_a02.zip](https://cdn.origene.com/chromatograms/mk6273_a02.zip)

**Restriction Sites:**

Sgfl-XhoI

**Cloning Scheme:**


**ACCN:** NM\_001348

**ORF Size:** 1362 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001348.3](#)

**RefSeq Size:** 2105 bp

**RefSeq ORF:** 1365 bp

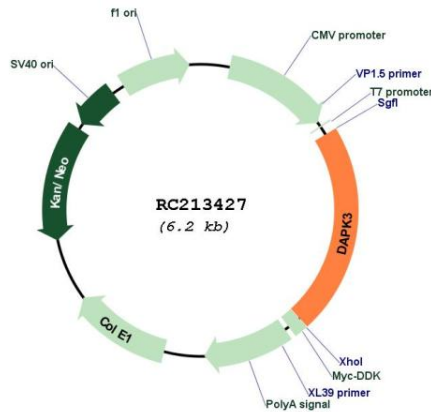
**Locus ID:** 1613

**UniProt ID:** [O43293](#)

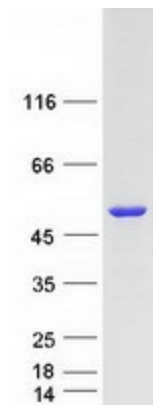
**Cytogenetics:** 19p13.3

**Domains:** pkinase, TyrKc, S\_TKc  
**Protein Families:** Druggable Genome, Protein Kinase  
**Protein Pathways:** Bladder cancer, Pathways in cancer  
**MW:** 52.4 kDa  
**Gene Summary:** Death-associated protein kinase 3 (DAPK3) induces morphological changes in apoptosis when overexpressed in mammalian cells. These results suggest that DAPK3 may play a role in the induction of apoptosis. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC213427



Coomassie blue staining of purified DAPK3 protein (Cat# [TP313427]). The protein was produced from HEK293T cells transfected with DAPK3 cDNA clone (Cat# RC213427) using MegaTran 2.0 (Cat# [TT210002]).