

Product datasheet for **SC323479**

ZIP Kinase (DAPK3) (NM_001348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZIP Kinase (DAPK3) (NM_001348) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZIP Kinase
Synonyms:	DLK; ZIP; ZIPK
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC323479 sequence for NM_001348 edited (data generated by NextGen Sequencing)
ATGTCCACGTTACAGGCAGGACGTTGGAGGACCATTATGAGATGGGGGAGGAGCTGGGC
AGCGGCCAGTTTTCGATCGTGCGGAAGTGCCGGCAGAAGGGCACGGGCAAGGAGTACGCA
GCCATGTTTCATCAAGAAGCGCCCTGTATCCAGCCGGCGTGGGGTGGAGCCGGGAGGAG
ATCGAGCGGGAGGTGAACATCTGCGGGAGATCCGGCACCCCAACATCATCACCTGCAC
GACATCTTCGAGAACAAGACGGACGTGGTCTCATCCTGGAGCTGGTCTCTGGCGGGGAG
CTCTTTGACTTCTGCGGAGAAGGAGTCTGCTGACGGAGGACGAGGCCACCCAGTTCTCTC
AAGCAGATCCTGGACGGGTTCACTACCTGCACTCTAAGCGCATCGCACACTTTGACCTG
AAGCCGAAAACATCATGCTGCTGGACAAGAAGCTGCCAACCCACGAATCAAGCTCATC
GACTTCGGCATCGCGACAAGATCGAGGCGGGGAACGAGTTCAAGAACATCTTCGGCACC
CCGGAGTTTGGGCCAGAGATTGTGAATATGAGCCGCTGGGCTGGAGGCGGACATG
TGGAGCATCGGTGTCATACCTATATCCTCTGAGCGGTGCATCCCGTTCTGGGCGAG
ACCAAGCAGGAGACGCTACCAACATCTCAGCCGTGAACACGACTTCGACGAGGAGTAC
TTCAGCAACACCAGCGAGCTGGCCAAGGACTTCATTTCGCCGGCTGCTCGTCAAAGATCCC
AAGCGGAGAATGACCATTGCCAGAGCCTGGAACATTCTGGATTAAAGGCATCCGGCGG
CGGAACGTGCGTGGTGGAGACAGCGGCCAAGCCGAGCGGCGCGCCTGAAGACCACG
CGTCTGAAGGAGTACACCATCAAGTTCGACTCCAGCTTGGCCCAACAACAGTACGCC
GACTTCGAGCGCTTCTCAAGGTGCTGGAGGAGGCGGCGCCGCGAGGAGGGCTGCGC
GAGCTGCAGCGCAGCCGGCGGCTCTGCCACGAGGACGTGGAGGCGCTGGCCGCCATCTAC
GAGGAGAAGGAGGCTGTACCGCAGGAGAGCGACAGCCTGGGCCAGGACCTGCGGAGG
CTACGGCAGGAGTGTCAAGACCGAGGCGCTCAAGCGCAGGCGCAGGAGGAGGCAAG
GGCGCGCTGCTGGGACAGCGGCTCAAGCGCCGCTTACGCCGCTGGAGAACCCTAC
GAGGCGCTGGCCAAGCAAGTAGCCTCCGAGATGCGCTTCGTGCAGGACCTCGTGCCGCC
CTGGAGCAGGAGAAGCTGCAGGGCTGGAGTGGGGCTGCGCTAG

Clone variation with respect to NM_001348.1
125 a=>t;324 a=>g

5' Read Nucleotide Sequence: >OriGene 5' read for mutant NM_001348 unedited
ACCGCCCGCTCGCAGCAAAGGGCGTAGGCGCTGTACGGTTGGGAGTTCTATATAAGCAGAGCTCGTTT
AGTGAACCGTCAGAATCTTGAATACGACTCACTATAGGGCGGCCGGAATTCGGCACAGGCGCGGCGG
CGCCGGCCGATTTCTCCGGGCTGCGGAGGGGTTGCCATTAGGGGACTCCTGAGGTCTATCTCCAGGCTG
CGGTGACTGCACTTTCCCTGGAGTGAAGCTGTGGAAGGCGGACCGGCCCATGTCCACGTTCCAGGCA
GGAGGACGTGGAGGACATTATGAGATGGGGGAGGAGCTGGCAGCGCCATTTTTCGATCGTGCGGGAAG
TGGCCGGCAAAAAGGCCACGGGCCAAGGATCCCCACCCATGTTCCATAAAAAACCCACCTGGTATCAA
CCCGGGCTTGGGAAACCAGGAGGAAAAATAAGCGGGAGAAAAACCCGAGGGGGGATAAAAAAAAAAAAA
ACATTGCA

Kinase Domain Sequence: >SC323479 kinase domain raw sequence. By performing [BLASTX](#) analysis with this sequence against NCBI reference protein database, you can confirm the presence of the kinase-deficient mutation
CCCTGMCAATGGGCGGTAGGCGTGTACGGTGGGAGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTC
AGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACAGGCGCGGCGCCGGCCGTA
TTCTCCGGCTGCGGAGGGGTTGCCATTAGGGGACTCCTGAGGTCTATCTCCAGGCTGCGGTGACTGCA
CTTCCCTGGAGTGAAGCTGCTGGAAGCGGACCGGCCCATG

Restriction Sites: Please inquire

ACCN: NM_001348

Insert Size: 1090 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:	This kinase-deficient mutant clone was generated by created by site-directed mutagenesis from the corresponding wild-type clone. See details in "Application of active and kinase-deficient kinome collection for identification of kinases regulating hedgehog signaling." Cell. 2008 May p536-548.
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:	NM_001348.1 , NP_001339.1
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
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]