

Product datasheet for **SC115043**

DAP Kinase 2 (DAPK2) (NM_014326) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAP Kinase 2 (DAPK2) (NM_014326) Human Untagged Clone
Tag:	Tag Free
Symbol:	DAP Kinase 2
Synonyms:	DRP-1; DRP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_014326 edited
ATGTTCCAGGCCTCAATGAGGAGTCCAACATGGAGCCATTCAAGCAGCAGAAGGTGGAG
GACTTTTATGACATCGGAGAGGAGCTGGGGAGTGGCCAGTTTGCCATCGTGAAGAAGTGC
CGGGAGAAGAGCACGGGGCTTGAGTATGCAGCCAAGTTCATCAAGAAGCGGCAGAGCCGG
GCGAGCCGGCGCGGTGTGAGCCGGGAGGAGATCGAGCGGGAGGTGAGCATCCTGCGGCAG
GTGCTGCACCACAATGTCATCACGCTGCACGACGTCTATGAGAACCGCACCGACGTGGT
CTCATCCTTGAGCTAGTGTCTGGAGGAGAGCTCTCGATTTCTGGCCAGAAGGAGTCA
CTGAGTGAGGAGGAGGCCACCAGCTTCATTAAGCAGATCCTGGATGGGGTGAACCTT
CACACAAAGAAAATTGCTCACTTTGATCTCAAGCCAGAAAACATTATGTTGTTAGACAAG
AATATTCCCATTCACACATCAAGCTGATTGACTTTGGTCTGGCTCACGAAATAGAAGAT
GGAGTTGAATTTAAGAATATTTTTGGGACGCCGAATTTGTTGCTCCAGAAATTGTGAAC
TACGAGCCCTGGTCTGGAGGCTGACATGTGGAGCATAGGCGTCATCACCTACATCCTC
TTAAGTGGAGCATCCCCTTTCTGGGAGACACGAAGCAGGAAACTGGCAAATATCACA
GCAGTGAGTTACGACTTTGATGAGGAATTTCTCAGCCAGACGAGCGAGCTGGCCAAGGAC
TTTATTCGGAAGCTTCTGGTTAAAGAGACCCGAAACGGCTCACAAATCCAAGAGGCTCTC
AGACACCCTGGATCACGCCGTGGACAACCAGCAAGCCATGGTGCAGGGAGTCTGTG
GTCAATCTGGAGAACTTCAGGAAGCAGTATGTCCGAGGCGGTGGAAGCTTTCCTCAGC
ATCGTGTCCCTGTGCAACCACCTCACCCGCTCGCTGATGAAGAAGGTGCACCTGAGGCCG
GATGAGGACCTGAGGAACTGTGAGAGTGACACTGAGGAGGACATGCCAGGAGGAAAGCC
CTCCACCACGGAGGAGGAGCAGCACCTCTAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_014326 unedited</p> <pre> NGGGTCAGAAATTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGCCGCCGTGC CCGCCGCTCCCGCCGCGCCCGCCGCGGCCGCGACCGCGGCAGCTCAGCCTCCCGCCGATT GTATGTTCCAGGCCTCAATGAGGAGTCCAAACATGGAGCCATTCAAGCAGCAGAAGGTGG AGGACTTTTATGACATCGGAGAGGAGCTGGGGAGTGGCCAGTTTGCCATCGTGAAGAAGT GCCGGGAGAAGAGCACGGGGCTTGAGTATGCAGCCAAGTTCATCAAGAAGCGGCAGAGCC GGCGGAGCCGCGCGGTGTGAGCCGGGAGGAGATCGAGCGGGAGGTGAGCATCCTGCGGC AGGTGCTGCACCACAATGTCATCACGCTGCACGCTCTATGAGAACCGCACCGAGCTGG TGCTCATCCTTGAGCTAGTGTCTGGAGGAGAGCTCTTCGATTTCTGGCCAGAAGGAGT CACTGAGTGAGGAGGAGGCCACCAGCTTCATTAAGCAGATCCTGGATGGGGTGAAGTACC TTCACACAAAAGAAAATTGCTCACTTTGATCTCAAGCCAGAAAACATTATGTTGTTAGACA AGAATATTTCCATTCCACACATCAAGCTGATTGACTNTGGTCTGGCTCACGAAATAGAAG ATGGAGTTGAATTAAGAATATTTTTGGGACGCCGGAATTTGTTGCTCCAGAAATTGTG AACTACGAGCCCCTGGGCTGGNAGCTGACATGTGGAGCATANGCGTCATCACCTACATC CTCTTAAGTGGAGCATNCCCTTTNCTGNGAGACACGAAGCANGAACACTGGCAATATCA CAGCAGTGAGTTACGACTTTGATGAAGAATNCTTCAGNCAGACGAGCGAGCTGGGCAAGG ACTTN </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_014326 unedited</p> <pre> TACTTTGAACCGCGCCCGCATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTGGCTT AAAAGACAGAAGTTTATTTTCTTACAATTTTTGAGGCCAGAGTCTAAGATTGAGGTGTCA GCAGGGTTGGTTTCTCTGAGGCCCCCTTAGTTTGTGCGATGGCTATTCCTCCCTCCACTC CTGGGCCCTTCATGTGGTCTTCTGCGTGTCTAACCTCCCTTCTTATAAGGACACCAA TTATATTGCATCGGGCCATATCAGTGAGCTCATTTTAAATTAAGTGCCTTTCTAAAGA CCCCATCTCCAAATACAGTGATATTCTGTGGTACCAAGGGTTAAGACTTCAACATAGAAA TTTTAGGGAGACACACTCAGCTCCTAACAGCAGGAGTGGTGGCAGTGAGGTAGAGGGAGC ATGGGCATACTCGTCTCTGGCAACTTTTTTTTTTTTGGATATGGTCTCTCTGTGACCC AGACTGGAGTGCAGTGGCGTGATCTCAGCTCACTGCAGCTCGACCTTCTGGGCTAAGC AATGCTGTCACCTCAGCCCCTGGAGTAGCTGGGATGCCAGGTGCCTACCCCTACACCTGG CTAATTTTTTTGTATTTTTGTACAGACTGCGTTTTTCCATGTTGCCAGGCTGGTCTCCA ACTCCTGAGTTCAAGCAATCCCCTGCCCTCGGACTGCCAAGCGCAGGGATTATAGGCGT GAGCCACCACTCCAGTCTCTGGGTGGTTCTCTTGGACTGGACACCTTCTGTTAAGGA AGCAGGGAGAAGCAGGCCACTGCAAGCCTGCCCGGACCGTTTCAGGAGGACCTCTGAGAT CTTCCCACTCAGCACCCACTGGGTGCCCCCTCAGATTACCAGCCACGGGCTAAAGGAA AGAGATGGGGGTACCCCTAAAGAACCCAGCTCAGGTAACCCAA </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_014326
Insert Size:	2900 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:	<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_014326.3 , NP_055141.2
RefSeq Size:	2628 bp
RefSeq ORF:	1113 bp
Locus ID:	23604
UniProt ID:	Q9UIK4
Cytogenetics:	15q22.31
Domains:	pkinese
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Bladder cancer, Pathways in cancer
Gene Summary:	This gene encodes a protein that belongs to the serine/threonine protein kinase family. This protein contains a N-terminal protein kinase domain followed by a conserved calmodulin-binding domain with significant similarity to that of death-associated protein kinase 1 (DAPK1), a positive regulator of programmed cell death. Overexpression of this gene was shown to induce cell apoptosis. It uses multiple polyadenylation sites. [provided by RefSeq, Jul 2008]