

Product datasheet for **RG215423**

DAP Kinase 1 (DAPK1) (NM_004938) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAP Kinase 1 (DAPK1) (NM_004938) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DAP Kinase 1
Synonyms:	DAPK; ROCO3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215423 representing NM_004938 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

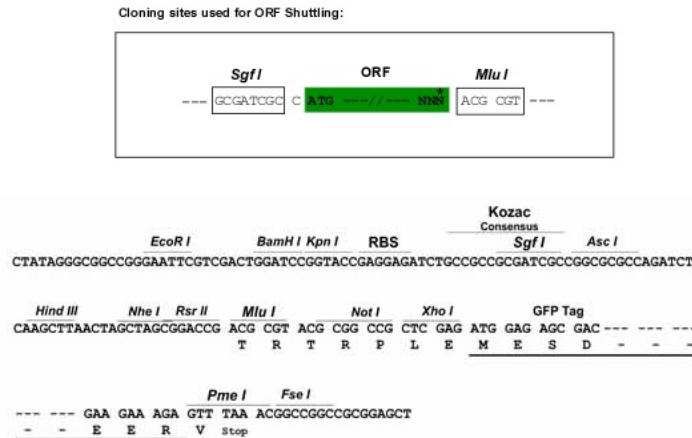
Protein Sequence: >RG215423 representing NM_004938
 Red=Cloning site Green=Tags(s)

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 SLEEPYEIQLNQVIFWLSFLKSLVPVEEPIAFGGK LKNPLQVVLVATHADIMNVP RPAGGEFGYDKDTSL
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

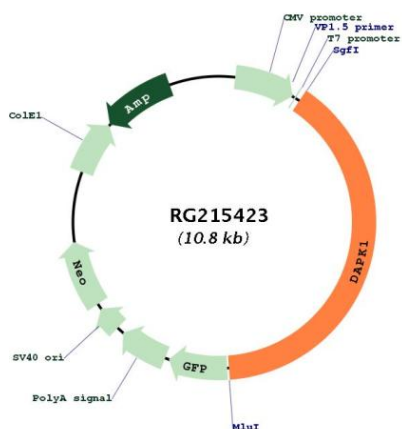


ACCN: NM_004938

ORF Size: 4290 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:	<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_004938.1 , NP_004929.1
RefSeq Size:	5910 bp
RefSeq ORF:	4293 bp
Locus ID:	1612
UniProt ID:	P53355
Cytogenetics:	9q21.33
Domains:	DEATH, pkinase, TyrKc, ANK, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	Bladder cancer, Pathways in cancer
Gene Summary:	Death-associated protein kinase 1 is a positive mediator of gamma-interferon induced programmed cell death. DAPK1 encodes a structurally unique 160-kD calmodulin dependent serine-threonine kinase that carries 8 ankyrin repeats and 2 putative P-loop consensus sites. It is a tumor suppressor candidate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Product images:



Circular map for RG215423