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Product datasheet for RC201120

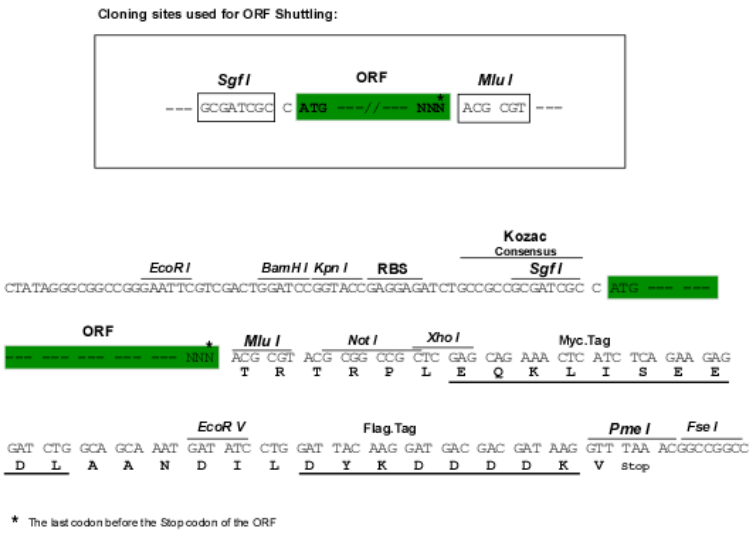
DAP1 (DAP) (NM_004394) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DAP1 (DAP) (NM_004394) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201120 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTCTTCGCCTCCCGAAGGGAAACTAGAGACTAAAGCTGGACACCCGCCCGCCGTGAAAGCTGGTGGAA TGCGAATTGTGCAGAAACACCCACATACAGGAGACACCAAAGAAGAGAAAGACAAGGATGACCAGGAATG GGAAAGCCCCAGTCCACCTAAACCCACTGTGTTCATCTCTGGGGTCATCGCCCGGGGTGACAAAGATTTC CCCCCGGCGGCTGCGCAGGTGGCTCACCAGAAGCCGCATGCCTCCATGGACAAGCATCCTTCCCCAAGAA CCCAGCACATCCAGCAGCCACGCAAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC201120 protein sequence Red=Cloning site Green=Tags(s) MSSPPEGKLETKAGHPPAVKAGGMRIVQKHPHTGDTKEEKDKDDQEWESPSPPKPTVFISGVIARGDKDF PPAAAQVAHQKPHASMDKHPSPRTQHIQQPRK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk6234_e11.zip
Restriction Sites:	SgfI-MluI

View online »

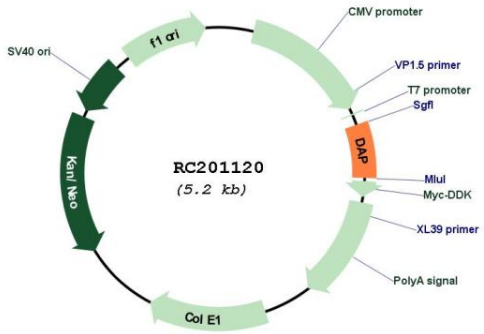
Cloning Scheme:



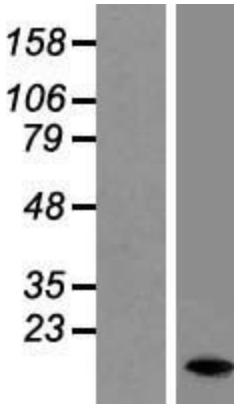
ACCN:	NM_004394
ORF Size:	306 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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_004394.3
RefSeq Size:	2385 bp
RefSeq ORF:	309 bp

Locus ID:	1611
UniProt ID:	P51397
Cytogenetics:	5p15.2
MW:	11.2 kDa
Gene Summary:	This gene encodes a basic, proline-rich, 15-kD protein. The protein acts as a positive mediator of programmed cell death that is induced by interferon-gamma. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014]

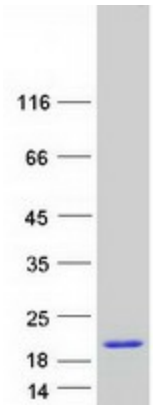
Product images:



Circular map for RC201120



Western blot validation of overexpression lysate (Cat# [LY418020]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201120 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DAP protein (Cat# [TP301120]). The protein was produced from HEK293T cells transfected with DAP cDNA clone (Cat# RC201120) using MegaTran 2.0 (Cat# [TT210002]).