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CN: techsupport@origene.cn

Product datasheet for RC230675

PAN2 (NM_001166279) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAN2 (NM_001166279) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PAN2
Synonyms:	USP52
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC230675 representing NM_001166279 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAACTTTGAGGGTCTGGACCCTGGACTGGCAGAATATGCCCCAGCCATGCATTCTGCCCTGGACCCTG TCTTGGATGCCCACCTGAACCCAAGTCTGCTACAGAATGTGGAGCTGGACCCAGAGGGAGTGGCCTTGGA GGCTCTTCCCGTCCAGGAATCAGTGCACATAATGGAAGGTGTCTACTCTGAATTGCACAGCGTGGTGGCT GAAGTGGGTGTACCTGTTTCCGTCTCCCACTTTGACTTGCACGAGGAGATGCTGTGGGTGGGGAGCCACG GGGGCCATGCCACTTCATTTTTTGGCCCAGCCTTGGAGCGCTACTCATCCTTTCAAGTCAATGGCAGTGA TGATATTCGGCAGATCCAGAGCCTGGAGAATGGTATCCTTTTTCTCACCAAGAACAACCTCAAGTATATG GCCCGTGGGGGCCTCATTATATTTGATTACCTGCTGGATGAGAATGAGGATATGCACAGTCTCCTACTGA CTGACAGCAGCACTCTACTCGTTGGTGGGCTGCAGAATCACATACTAGAGATTGATCTTAACACTGTCCA GGAGACTCAGAAGTATGCAGTAGAGACGCCTGGAGTCACCATCATGAGACAGACAAATCGCTTCTTCTTC TGCGGCCACACGTCTGGCAAGGTTTCCCTGAGAGACCTCCGTACTTTTAAGGTGGAACATGAGTTTGATG CCTTCTCAGGAAGTCTGTCAGACTTTGATGTGCATGGCAACCTGCTAGCTGCCTGTGGCTTCTCCAGCCG CCTCACTGGCCTGGCCTGCGACCGTTTCCTCAAGGTGTATGATTTGCGCATGATGCGTGCCATCACACCA CTTCAAGTACATGTGGATCCTGCCTTCTTGCGCTTCATTCCTACATATACTTCTCGTCTTGCTATCATCT CTCAGTCAGGGCAGTGCCAATTCTGTGAACCCACAGGCCTGGCCAACCCAGCCGATATCTTTCATGTGAA TCCTGTGGGGCCTCTGCTAATGACATTTGATGTGTCAGCCAGCAAGCAGGCTCTGGCCTTTGGGGATTCT GAGGGCTGTGTGCACCTCTGGACTGATTCCCCGGAGCCTTCCTTCAACCCCTACTCCCGTGAGACTGAGT TTGCTTTGCCGTGTCTCGTGGACTCACTGCCTCCTCTGGACTGGAGCCAGGACCTGCTGCCTCTTTCCCT CATCCCTGTCCCACTCACCACTGACACACTTCTCTCTGATTGGCCTGCTGCCAACTCTGCTCCAGCTCCC AGGCGAGCACCACCCGTGGATGCAGAGATTCTGCGCACCATGAAGAAGGTGGGCTTCATTGGCTATGCGC CCAATCCCCGCACCAGGCTGCGCAATCAGATACCCTACAGACTCAAGGAGTCAGACAGTGAATTTGACAG CTTCAGCCAGGTCACTGAGTCACCAGTAGGACGAGAAGAGGAACCACATCTCCACATGGTTTCTAAGAAA TACCGCAAGGTGACCATCAAATATTCCAAGCTAGGGCTGGAGGACTTTGACTTCAAACACTACAATAAGA

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AATGCAGCTGTCTTCTCCTCAGTGCTGGCGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC230675 representing NM_001166279
Red=Cloning site Green=Tags(s)

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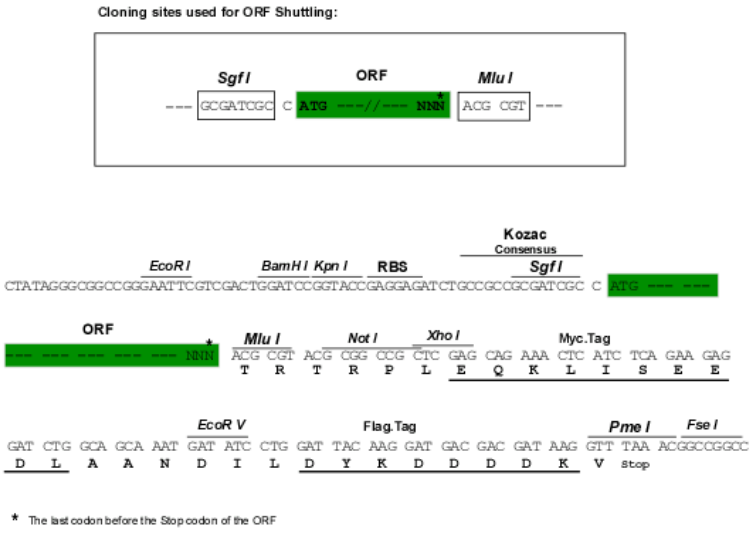
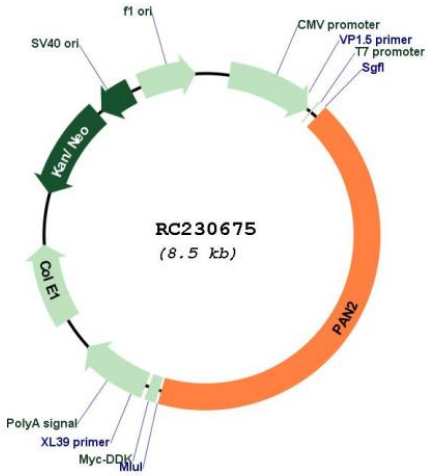
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001166279
ORF Size:	3603 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_001166279.1, NP_001159751.1
RefSeq Size:	5298 bp
RefSeq ORF:	3606 bp
Locus ID:	9924
UniProt ID:	Q504Q3
Cytogenetics:	12q13.3

Protein Families:	Protease
MW:	135.3 kDa
Gene Summary:	This gene encodes a deadenylase that functions as the catalytic subunit of the polyadenylate binding protein dependent poly(A) nuclease complex. The encoded protein is a magnesium dependent 3' to 5' exoribonuclease that is involved in the degradation of cytoplasmic mRNAs. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]