

Product datasheet for **RR202978**

Dpf1 (NM_001105729) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dpf1 (NM_001105729) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Dpf1
 Synonyms: Neud4
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR202978 representing NM_001105729
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCACGGTCATCCCCAGCCCCCTGAGCCTTGCGGAGGACTTCTACCGGGAGGCCATCGAGCACTGCC
 GCAGCTACAACGCGCGCCTGTGTGCCGAGCGCAGCCTGCGCCTGCCCTTCTCGACTCTCAGACCGCGCT
 GGCTCAGAACAACCTGCTACATCTGGATGGAGAAGACCCACCGCGGCCTGGTTTGCCCCAGGACAGATC
 TACACTTACCCCGCCCGCTGTTGGAGGAAGAAACGGAGACTCAACATCCTGGAGGACCCAGGCTCCGGC
 CCTGCGAGTACAAGATCGATTGTGAGGCACCTCTGAAGAAGGAGGGTGGCCTCCCGGAAGGGCCAGTCCT
 TGAGGCTCTGCTGTGCGCTGAGACTGGAGAGAAGAAAGTGGAGTTGAAGGAGGAGGAGACCATATGGAC
 TGTGAGAAACAGCAGTTGCTGGAGTTTCCGCATGATCTCGAGGTAGAAGACTTGGAGGAAGACATTTCCCA
 GGAGGAAGAACAGGGCCAAAGGAAAGCGTATGGCATTGGAGGTCTCCGAAACGCCAGGACAACGCATC
 CTTGGAGGACCGAGACAAGCCGTACGCTGTGATATCTGTGGGAAGAGGTATAAGAACCGGCCAGGGCTT
 AGCTACCACTACACCCACACCCACCTGGCTGAGGAGGAGGGGAGGAGCACACTGAGCGCCACGCCCTGC
 CTTTCCACCGGAAAAACAACCATAAACAGTTTTACAAGAATTGGCCTGGGTCCCGAGGACAGAGGAA
 ACACACAGCCAAGAAAGCACAGATGGCACTGTCATCCCAATGGCTACTGTGACTTTTGCCTGGGGGGC
 TCCAAGAAGACTGGATGTCCTGAGGACCTCATCTCCTGTGCGGACTGCGGGCGATCAGGACATCCCTCGT
 GTTTACAGTTCACGGTGAACATGACCGCAGCCGTGCGGACCTACCGCTGGCAGTGTATCGAATGCAAGTC
 CTGCGACCTGTGTGGCACCTCGGAGAAATGACGACCAGCTGCTGTTCTGTGACGACTGCGATCGGGTTAC
 CACATGTACTGCCTGAGCCCTCCATGGCGGAGCCCCGGAAGGGAGCTGGAGTTGCCACCTCTGTCTCC
 GGCCTTGAAAGAAAAGGCTCCGTTACATCACCTGACT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202978 representing NM_001105729
Red=Cloning site Green=Tags(s)

MATVIPSPSLSLGEDFYREAIEHCRSYNARLCAERSLRPLFLDSQTGVAQNNCYIWMEKTHRGPGLAPGQI
 YTYPARCWRKKRRLNILEDPRLRPCEYKIDCEAPLKKEGGLPEGPVLEALLCAETGEKKVELKEEETIMD
 CQKQQLLEFPHDLEVEDLEEDIIPRRKNRAKGYGIGGLRKRQDNASLEDRDKPYVCDICGKRYKNRPL
 SYHYTHHLAEEEGEEHTEHALPFHRKNNHKQFYKELAWPEAQKHTAKKAPDGTVIPNGYCDFCLGG
 SKKTGCPEDLISCADCGRSGHPSCLQFTVNMTAAVRYRWQCIECKSCSLCGTSENDDQLLFCDDCDRGY
 HMYCLSPMAEPPEGSWSCHLCLRHLKEKASAYITLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

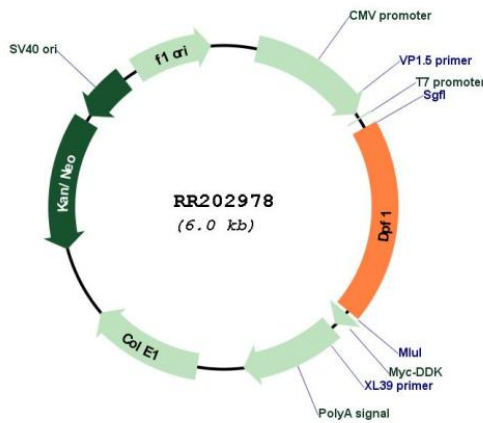
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001105729

ORF Size:	1161 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_001105729.3 , NP_001099199.2
RefSeq Size:	2349 bp
RefSeq ORF:	1164 bp
Locus ID:	50545
Cytogenetics:	1q21
MW:	44.2 kDa
Gene Summary:	neurospecific gene that is developmentally regulated [RGD, Feb 2006]