

Product datasheet for **RR214300**

Dpagt1 (NM_199388) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dpagt1 (NM_199388) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dpagt1
Synonyms: H2afx
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214300 representing NM_199388
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGGGCCTTCCCGGAGTTACCTCTGCCGCTGCCGCTGTTGGTGAATTTGATCGGATCGCTGTTGGGAT
TTGTGGCTACCGTCACCCTCATCCCTGCCTTCCGTAGCCACTTTATCGCCGCGCTCTGTGGCCAGGA
CCTCAACAAGCTCAGCCGGCAGCAGATCCAGAGTCCCAGGGAGTGATCAGCGGTGCTGTTTTCTTATC
ATCCTCTTCTGCTTCATCCCTTTCCCTTTCCTGAACTGCTTTGTGGAGGAGCAGTGAAGGCATTCCTCC
ACCATGAATTTGTGGCCCTGATAGGTGCCCTCCTTGCTATCTGCTGCATGATCTTCTGGGTTTTGCTGA
TGACGTAATCTGCGATGGCGTCATAAGCTGCTGCTCCCCACAGCTGCCTCACTACCTCTCCTCATG
GTCTACTTCACTAACTTTGGCAATACAACCATTGTGGTGCCGAAGCCCTTCCGCTGGATTCTTGGCCTGC
ATTTGGATTTGGGCATCCTGTACTATGTCTACATGGGACTGCTTGCAGTGTCTGTACCAATGCCATCAA
CATCCTAGCGGAATTAATGGCCTAGAGGCTGGTCAATCACTAGTCATCTCTGCTTCTATTATTGTCTTC
AACCTGGTGGAGCTGGAAGGTGATTATCGGGACGATCATGTCTTTCCCTCACTTCAATGATGCCATTTT
TTTTTACCACCTTGGGATTGCTGTACCATAACTGGTACCCGCTCAGGTGTTTGTGGGAGACACCTCTG
TTATTTTGGCTGGCATGACCTTTGCCGTGGTGGGAATCTTGGGACACTTCAGCAAGACCATGCTGCTTTC
TTTATGCCACAAGTATTCAATTTCTCTACTCACTGCCTCAGCTCTTTTCAAGATCATCCCCTGCCCTCGAC
ACCGTATGCCAGACTCAATACGAAGACAGGCAAACCTGGAGATGAGCTATTCCAAGTTCAAGACCAAGAG
CCTCTCTTTCTTGGGCACGTTTATTTAAAGGTAGCAGAGAGCCTCCGGCTGGTACAGTTCAACGAGGG
GAGAGTGAGGATGGTGCCTTCACTGAGTGAACAACATGACCCTCATCACTTGTACTTAAAGTCTTTG
GGCCTACACATGAGAGAACTCACACTGTTTCTGCTGCTCCTGCAGGTTCTGAGCAGCGCTGCACCTT
CTCCATTCGTTACCAGCTCGTCCGACTCTTCTATGATGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR214300 representing NM_199388
Red=Cloning site Green=Tags(s)

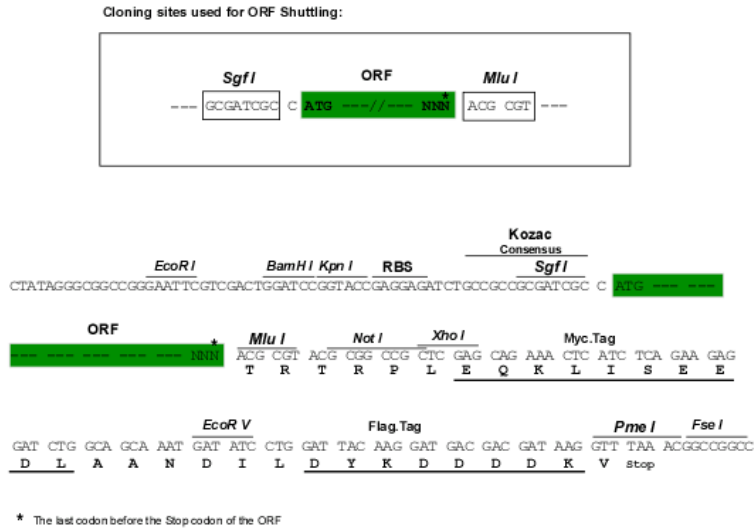
MWAFPELPLPLLLVNLIGSLLGFVATVTLIPAFRSHFIAARLCGQDLNKL SRQQIPESQGVISGAVFLI
 ILFCFIPFPFLNCFVEEQKAFPHHEFVALIGALLAICCMIFLGFADDVNLNRWRHKL LPTAASLPLLM
 VYFTNFGNTTIVVPKFRWILGLHLDLGLIYYVYMGLLAVFCTNAINILAGINGLEAGQSLVISASIIVF
 NLVELEGDYRDDHVFSLYFMPFFFTTLGLLYHNWYPSQV FVGDTFCYFAGMTFAVVGILGHFSKTMLLF
 FMPQVFNFLYSLPQLFQIIPCPRHRMPRLNTKTKGLEMSYSKFKTKSLSFLGTFILKVAESLR LVTVHRG
 ESEDGAFTECNMTLINLLLKVFGP THERNLTLFLLLLQVLSSAVTFSIRYQLVRLFYDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

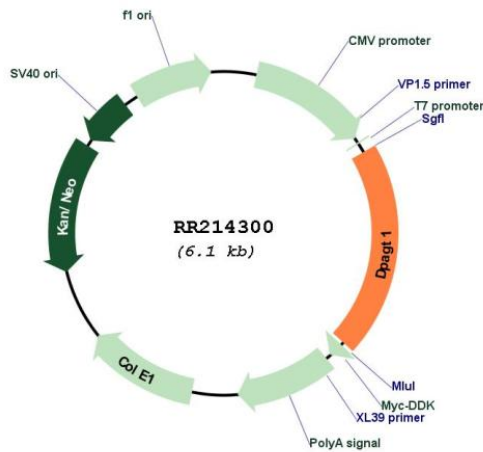
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_199388

ORF Size:	1230 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_199388.1 , NP_955420.1
RefSeq Size:	1840 bp
RefSeq ORF:	1233 bp
Locus ID:	300668
Cytogenetics:	8q22
MW:	46.5 kDa