

Product datasheet for **RG202364**

DPF2 (NM_006268) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DPF2 (NM_006268) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DPF2
Synonyms:	CSS7; REQ; ubi-d4; UBID4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202364 representing NM_006268 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGCTGTGGTGGAGAATGTAGTGAAGCTCCTTGGGAGCAGTACTACAAAGATGCCATGGAGCAGT
 GCCACAATTACAATGCTCGCCTCTGTGCTGAGCGCAGCGTGCCTTCTTGGACTCACAGACCGG
 AGTAGCCAGAGCAATTGTTACATCTGGATGAAAAAGCGACACCGGGTCCAGGATTGGCTCCGGACAG
 CTGTACTCTACCCTGCCGCGCTGGCGAAAAAGCGGAGCCCATCCCCCTGAGGATCCACGACTTT
 CCTTCCCATCTATTAAGCCAGACACAGACCAGACCCTGAAGAAGGAGGGGCTGATCTCTCAGGATGGCAG
 TAGTTTAGAGGCTCTGTTGCGCACTGACCCCTGGAGAAGCGAGGTGCCCGGATCCCCGAGTTGATGAT
 GACAGCCTGGGCGAGTTTCTGTGACCAACAGTCGAGCGGAAAGCGGATCCTAGAACAGATGACTTCC
 TGGATGACCTCGATGATGAAGACTATGAAGAAGATACTCCAAGCGTCGGGAAAGGGGAAATCCAAGGG
 TAAGGGTGTGGGAGTGCCCGTAAGAAGCTGGATGCTTCCATCCTGGAGGACCGGATAAGCCCTATGCC
 TGTGACATTTGTGAAAACGTTACAAGAACCGACAGGCCTCAGTTACCACTATGCCACTCCCCTTGG
 CTGAGGAGGAGGCGAGGACAAGGAAGACTCTCAACACCCACTCCTGTTTCCAGAGGTCTGAGGAGCA
 GAAATCCAAAAAGGTCCTGATGGATTGGCCTTGCCCAACAACACTGTGACTTCTGCCTGGGGACTCA
 AAGATTAACAAGAAGACGGGACAACCCGAGGAGCTGGTGTCTGTCTGACTGTGGCCGCTCAGGCATC
 CATCTTGCTCCAATTTACCCCGTGATGATGGCGGCAGTGAAGACATACCGCTGGCAGTGCATCGAGTG
 CAAATGTTGCAATATCTGCGGCACCTCCGAGAATGACGACCAGTTGCTCTTCTGTGATGACTGCGATCGT
 GGCTACCACATGTACTGTCTACCCCGTCCATGTCTGAGCCCTGAAGGAAGTTGGAGCTGCCACCTGT
 GTCTGGACCTGTTGAAAGAGAAAGCTTCCATCTACCAGAACCACTCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202364 representing NM_006268
Red=Cloning site Green=Tags(s)

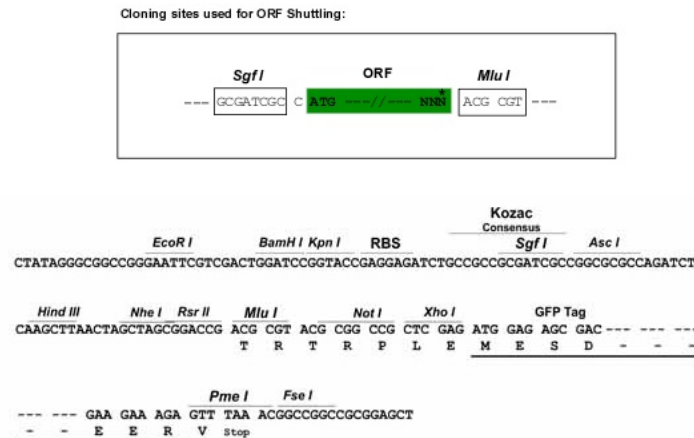
MAAVENVVKLLGEQYYKDAMEQCHNYNARLCAERSVRLPFLDSQTGVAQSNCYIWMEKRHRGPGGLASGQ
LYSYPARRWRKKRRRAHPEDPRLSFPISIKPDTDQTLKKEGLISQDGSSEALLRTDPLEKRGAPDPRVDD
DSLGEFPVTNSRARKRILEPDDFLDDLDEDEYEDTPKRRGKGKSKGKVGSAKKLDASILEDKPYA
CDICGKRYKNRPLSYHYAHSHLAEEEGEDKEDSQPPTPVSRSEEQSKKGPDLALPNNYCDFCLGDS
KINKKTGQPEELVSCSDCGRSGHPSCQLQFTPVMMAAVKTYRWQCIECKCCNICGTSENDQQLFCDDCDR
GYHMYCLTPSMSEPPEGWSCHLCLDLLKEKASIYQNQNSS

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_006268

ORF Size: 1173 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006268.5](#)

RefSeq Size: 2411 bp

RefSeq ORF: 1176 bp

Locus ID: 5977

UniProt ID: [Q92785](#)

Cytogenetics: 11q13.1

Domains: PHD, zf-C2H2

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: The protein encoded by this gene is a member of the d4 domain family, characterized by a zinc finger-like structural motif. This protein functions as a transcription factor which is necessary for the apoptotic response following deprivation of survival factors. It likely serves a regulatory role in rapid hematopoietic cell growth and turnover. This gene is considered a candidate gene for multiple endocrine neoplasia type I, an inherited cancer syndrome involving multiple parathyroid, enteropancreatic, and pituitary tumors. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG202364