

Product datasheet for **RR204965**

Ddit4 (NM_080906) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ddit4 (NM_080906) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ddit4
 Synonyms: Rtp801
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR204965 representing NM_080906
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTAGCCTTTGGGATCGTTTCTCGTCCTCCTCTTCTCCTTCGTCCTCGTCCCGAACTCCGGCCGCTG
 ATCGGCCCGCCGCTCCGCCTGGGGTCTGCGGCCAGAGAAGAGGGCCTTGACCGCTGCGCGAGCCTGGA
 GAGCTCGGACTGCGAGTCCCTGGACAGCAGCAACAGTGGCTTTGGGCCGAGGAAGACTCCTCATACCTG
 GATGGGGTGTCTGCTGCTGACTTTGAGCTGCTCAGTGACCCCGAGGATGAGCACCTGTGTGCCAACCTGA
 TGCAGCTGCTGCAGGAGAGCCTGTCCCAGGCGCGATTGGGCTCGCGGCGCCCTGCGCGCCTGCTGATGCC
 GAGCCAGCTGTTGAGCCAGGTGGCAAGGAACTCCTGCGCCTGGCGTACAGCGAGCCGTGCGGCCTGCGG
 GGGCACTGCTGGACGTCTGTGTGGAGCAAGGCAAGAGCTGCCATAGTGTGGCTCAGTGGCTCTGGACC
 CCAGTCTAGTGCCACCTTTCACTTGACCCTGGTGTGCTGCGTCTGGACTCTCGCCTCTGGCCCAAGATCCA
 GGGCCTGTTGAGTTCTGCCAACTCTTCTTGGTCCCTGGTTACAGCCAGTCCCTGACGCTGAGCACCGGC
 TTCAGAGTCATCAAAAAGAACTCTACAGCTCCGAGCAGCTGCTCATTGAAGAGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR204965 representing NM_080906
 Red=Cloning site Green=Tags(s)

MPSLWDRFSSSSSSSSSRTPAADRPPRSAWGSAAREEGLDRCASLESSDCESLDSSNSGFGPEEDSSYL
 DGVSLPDFELLSDPEDEHLCANLMQLLQESLSQARLGSRPARLLMPSQLLSQVKGELLRLAYSEPCGLR
 GALLDVCVEQKGSCHSVAQLALDPSLVPTFQLTLVLRRLDSRLWPKIQGLLSSANSSLVPGYSQSLTLSTG
 FRVIKKKLYSSEQLLIEEC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

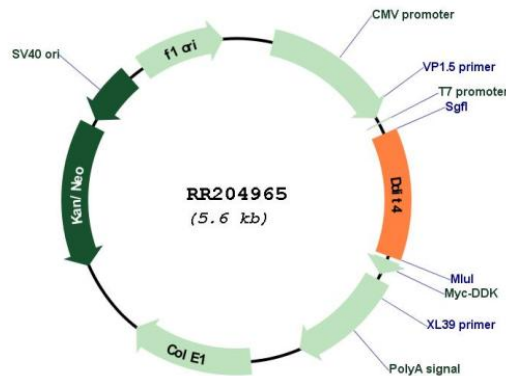
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_080906

ORF Size: 687 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_080906.2 , NP_543182.1
RefSeq Size:	1749 bp
RefSeq ORF:	690 bp
Locus ID:	140942
UniProt ID:	Q8VHZ9
Cytogenetics:	20q11
MW:	24.9 kDa
Gene Summary:	HIF-1-responsive gene that may protect some types of cells from hypoxia and H(2)O(2)-triggered apoptosis [RGD, Feb 2006]