

Product datasheet for **RR200386**

Ddit3 (NM_001109986) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ddit3 (NM_001109986) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ddit3
Synonyms: CHOP; CHOP-10; Chop10; Gadd153; RM4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200386 representing NM_001109986
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

**ATGGCAGCTGAGTCTCTGCCTTCGCCTTTGAGACAGTGTCCAGCTGGGAGCTGGAAGCCTGGTATGAGG
ATCTGCAGGAGGTCCTGCCTCAGATGAAATTGGGGCACCTATATCTCATCCCCAGGAAACGAAGAGGA
AGAATCAAAAACCTTCACTACTTTGACCCTGCATCCCTAGCTTGGCTGACTGAGGAGCCAGGGCCAGCA
GAGGTCACAAGCACCTCCCAAAGCCCTCGCTCTCCAGATTCCAGTCAGAGTTCTATGGCTCAGGAGGAAG
AAGAGGAAGATCAAGGAAGAACTAGGAAACGGAACAGAGTGGTCAGTGCAGCCCGGGCTGGGAAACA
GCGCATGAAGGAGAAGGAGCAGGAGAATGAGAGGAAAGTGGCACAGCTTGTCTGAAGAGAACGAGCGGCTC
AAGCAGGAAATCGAGCGCCTGACCAGGGAGGTAGAGACCACACGGCGGGCTCTGATCGACCCGATGGTCA
GTCTGCACCAAGCA**

**ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence: >RR200386 representing NM_001109986
Red=Cloning site Green=Tags(s)

MAAESLPFAFETVSSWELEAWYEDLQEVLSSEIDGGTYISSPGNEEEESKTFITLDPASLAWLTEEPGPA
EVTSTSQSPRSPDSSQSSMAQEEEEEDQGRTRKRKQSGQCAARAGKQRMKEKEQENERKVAQLAEENERL
KQEIERLTREVETTRRALIDRMVSLHQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	<u>NM_001109986.1</u> , <u>NP_001103456.1</u>
RefSeq Size:	861 bp
RefSeq ORF:	507 bp
Locus ID:	29467
Cytogenetics:	7q22
MW:	19 kDa
Gene Summary:	plays a role in the ER stress response [RGD, Feb 2006]