

Product datasheet for **MG219940**

Ddit4l (NM_030143) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ddit4l (NM_030143) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ddit4l
Synonyms: 1700037B15Rik; 1700108M02Rik; REDD2; RTP801L; Smhs1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219940 representing NM_030143
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGTTGCAACGGGCAGTTT**GAGCAGTAAGA**ACCCGGCCAGCATTTCAGAGTTGTTGGACGGTGGCTATC
ACCCTGGGAGTCTGCTAAGTGATTT**CGACTACTGGGATTATGTTGTCCCTGAGCCCAACCTCAACGAGGT**
GGTATTTGAAGAGACAACATGCCAGAATTTGGTTAAAATGTTGGAGAAGTGTCTGTCCAGATCAAAGCAA
ACCAAAC**TTGGT**GCTCTAAGGTCTTGGTCCCTGAGAACTGACCCAGAGAATTGCTCAAGATGCTCTGC
GGCTCTCGTCCACGGAGCCCTGCGGCCTTCGGGGTTGTGTTATGCACGTGAAGTGGAGATTGAAAATGT
ATGTAAAAGCTGGATAGGATCGTGTGTGATGCTAGCGTGGTCCGACCTTTGAGCTCACGCTTGTGTTT
AAGCAGGAGAGCTGCCCGTGGACCAGCCTCAAGGACTTCTTCTTAGCAGAGGTCGCTTCTCCTCAGGCC
TTAAGCGAACTCTGATTCTCAGCTCAGGATTT**CGACTTGTGAAGAAAAA**CTGACTCCCTGATTGGAAC
GACAGTCATTGAAGAGTGC

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG219940 representing NM_030143
Red=Cloning site Green=Tags(s)

MVATGSLSSKNPASISELLDGGYHPGSLLSDFDYWDYVPEPNLNEVVFEETTCQNLVKMLENCLSRKQ
TKLGCSKVLVPEKLTQRIAQDVLRLSSTEPCLRGCMHVNLIEENVCKKLDRIVCDASVVPTFELTLVF
KQESCPWTSKLDFFFSRGRFSSGLKRTLILSSGFRLVKKKLYSLIGTTVIEEC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

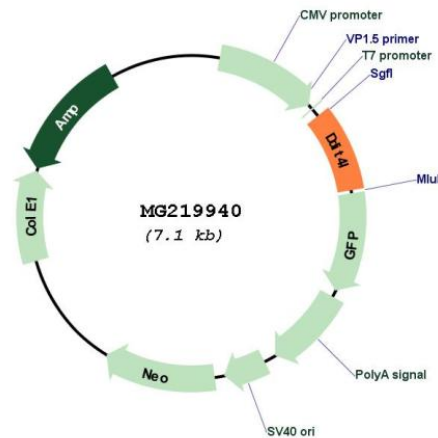


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_030143

ORF Size: 579 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.

RefSeq: [NM_030143.4](#), [NP_084419.2](#)

RefSeq Size: 2721 bp

RefSeq ORF: 582 bp

Locus ID: 73284

UniProt ID: [Q8VHZ5](#)

Cytogenetics: 3 G3

Gene Summary: Inhibits cell growth by regulating the TOR signaling pathway upstream of the TSC1-TSC2 complex and downstream of AKT1.[UniProtKB/Swiss-Prot Function]