

Product datasheet for MR216101

Diras2 (NM_001024474) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Diras2 (NM_001024474) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Diras2
Synonyms: 2900052J15Rik; AI414999
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR216101 representing NM_001024474
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGGAACAGAGCAACGACTACCGGTGGCGGTGTTGGGGCAGGCGGTGTTGGCAAGAGCTCCCTCG
 TTTTGAGGTTTGTGAAAGGGACCTTCAGGGAGAGCTACATCCCGACTGTGGAAGACACCTACCGGCAGGT
 GATCAGCTGTGACAAGAGCATATGCACGCTGCAGATCACCGACACCACCGGGAGCCACCAGTTTCCGGCC
 ATGCAGCGGCTGCCATCTCAAAGGCCACGCCTTCATCTGGTCTACTCCATCACCAGCCGGCAGTCCC
 TGGAGAACTCAAGCCCATCTATGAGCAGATCTGCGAGATCAAGGGGGATGTGGAGAGCATCCCCATCAT
 GCTGGTGGTAACAAGTGTGATGAGAGCCCAACCGTGAGGTCCAGAGCAGCGAGGCAGAGGCCCTAGCC
 CGCACATGGAAGTGCCTTCATGGAGACGTCCGCCAAGCTCAACCACAACGTGAAGGAACCTTTTCAGG
 AACTCCTCAACCTGGAGAAGCGCAGGACCGTGAGCCTCCAGATCGACGGCAAGAAGAGCAAGCAGCAGAA
 GAGGAAGGAGAAGCTCAAGGGCAAGTGCCTGGTTCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR216101 representing NM_001024474
 Red=Cloning site Green=Tags(s)

MPEQSNDYRVAVFGAGGVGKSSLVLRVFKGTFRESYIPTVEDTYRQVISCDKSICTLQITDTTGSHQFPA
 MQRLSISKGHAFILVYSITSRQSLLEELKPIYEQICEIKGDVESIPIMLVGNKCDESPNREVQSSEAEALA
 RTWKCAFMETSAKLNHNVKELFQELLNLEKRRTVSLQIDGKSKQQRKEKLGKCVVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Chromatograms: https://cdn.origene.com/chromatograms/ja1652_e06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001024474

ORF Size: 597 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_001024474.2](#), [NP_001019645.1](#)

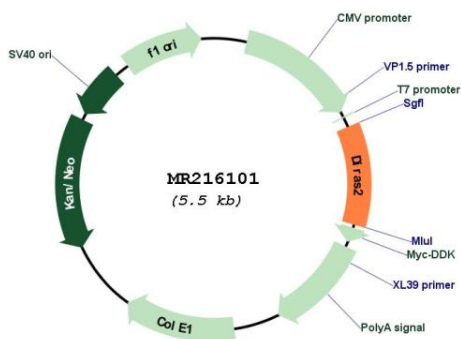
RefSeq Size: 4348 bp

RefSeq ORF: 600 bp

Locus ID: 68203

UniProt ID: [Q5PR73](#)
 Cytogenetics: 13 A5
 MW: 22.9 kDa
 Gene Summary: Displays low GTPase activity and exists predominantly in the GTP-bound form. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216101