

Product datasheet for **MG215752**

DIk2 (NM_207666) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DIk2 (NM_207666) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: DIk2
Synonyms: AI413481; Egf19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG215752 representing NM_207666
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATCACGATGCGGTATCAGTGCCGCTATCTCCGCGTCAAGCCGCTTCCCAGCCCGTGCCATCCC
ACAGGTGTCTACACGTCTGGCCGTTTCATCCGTCGCTCCCTCTGAGGCCGGAAGTACCAGCCAGCGG
CTGCCGCTGCCTAAATCTCGTGTGCTGTGCATCCTGGGGCAACCAGCCAGCCTGCCAGAGCGGAT
GACTGCAGCTCCACTGTGACCTGGCCACGGCTGCTGCGCTCCTGACGGCTCCTGCAGGTGTGACCCAG
GCTGGGAGGGGCTGCACTGTGAGCGCTGTGTGAGGATGCCTGGTCCAGCACGGTACCTGCCACCAGCC
CTGGCAGTGCATCTGCCACAGTGGCTGGCAGGAAAGTTCTGTGACAAAGATGAGCACATCTGTACCTCA
CAATCACCTGCCAGAATGGAGGCCAGTGTGTGTATGACGGGGTGGTGTGAGTACCACTGTGTGTGCTGC
CAGGCTTCCATGGACGTGGCTGTGAGCGCAAGGCTGGACCTTGTGAGCAGGCAGGCTTCCCGTGCCGGAA
TGGAGGGCAGTGGCAGGACAACCAGGGTTTTGCCCTCACTTACATGCCGCTGCTTGGCAGGATTCATG
GGTGCCCACTGTGAGGTCAATGTGGACGACTGTCTGATGCGGCCCTTGGCCAATGGTGCCACATGCATTG
ATGGCATAAACCGCTTTTCTGCCTCTGCCTGAGGGCTTCGCTGGACGCTTCTGCACCATCAACCTGGA
TGACTGTGCCAGCCGCCATGCCAGAGAGGGGCCCGCTGCAGGGACCGTGTCCATGACTTTGACTGCCTG
TGCCCCAGTGGCTATGGTGGTAAGACTTGTGAACCTGTCTACCTGCTCCAGAGCCTGCCAGTGGGCA
CCCCACAAATGCCACCTCAGCTGTAGTTGTACCTGCCACGGGGCCGGCCCTCACAGTGGGGGGCGGG
CCTGCTAAGGATCTCAGTGAAGGAGGTGTACGGAGGCAAGAGTCTGGGCTTGGTGAATCTAGCCTGGTT
GCCCTGGTGGTGTGGGTCTCTACTGCTGCGCTGGTCTGGCCACGGTGTGCTGACCCTGAGGGCAT
GGCGCCGAGGTATATGCCCACTGGACCTGCTGCTACCCAGCCACACTATGCCCCAGCTCGGCAGGA
TCAGGAGTGCCAGGTTAGCATGCTGCCAGCGGGTTCCCTCTGTCCCCAGACCTGCCCCCTGAGCCTGGT
AAGACCACAGCGCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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MKITMRVSVPLSPRQAASQPVPSHRCLHVWPFIRPSLLRPELTPSGCRCLNLVCLLCILGATSQPARAD
 DCSSHCDLAHGCCAPDGSCRCDPGWEGLHCERCVRMPGCQHGTC HQPWQCI CHSGWAGKFC DKDEHICTS
 QSPCQNGGQC VYDGGGEYHCVCLPGFHGRGCEKAGPCEQAGFPCRNGGQCQDNQGFALNFTCRCLAGFM
 GAHCEVNVDDCLMRPCANGATCIDGINRFSCLCPEGFAGRFTINLDDCASRPCQRGARCRRVHDFDCL
 CPSGYGGKTC ELVLPAPEPASVGT PQMPTSAVVVPATGPAPHSAGALLRISVKEVYVRRQESGLGESSLV
 ALVYVFGSLTAALVLATVLLTLRAWRRGICTGPCCYPAPHYAPARQDQECQVSMPLPAGFPLSPDLPEPG
 KTTAL

TRTRPLE - GFP Tag - V

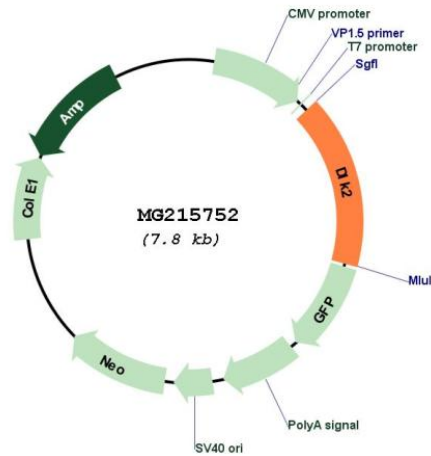
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_207666

ORF Size:	1275 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_207666.2 , NP_997549.2
RefSeq Size:	1532 bp
RefSeq ORF:	1278 bp
Locus ID:	106565
Cytogenetics:	17 C
Gene Summary:	Regulates adipogenesis.[UniProtKB/Swiss-Prot Function]