

Product datasheet for **MG224204**

Dppa2 (NM_028615) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dppa2 (NM_028615) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dppa2
Synonyms: 2410088E07Rik; C80932; D19Mgi18; ECAT15-2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG224204 representing NM_028615
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCATACTTCGGCCTGGAGACTTTCAACGAGAACCAATCTGAGGAAAACCTGGATGAAGAAAGTGTGA
TTTTAACGCTGGTCCCCTTTAAGGAGGAGGAGGCCAAACACAGACTACGCTACGCAATCAAATGTTTC
TTCTTCAACCTTAGACCACACCACCAGCCCGTTCTCTGGTGAGGCATGCTGGAATCAAACACCCAACC
AGAACCATACCAAGCACCTGTCTCCGCCAGCCTGCCTCTATTAGGGACGTGTCCCGAACACTCTTC
GGGAGTGGTGTGGTATCATAACTTGAGTACGGATGGCAAGAAAGTTGAGGTCTATTTGAGACTTCGGAG
ACACTCCTATTCTAAACAAGAATGTTATATTCCAATACATCTCGGGAGGCCAGAATGAAGCAGGGTCCC
AAGAAATCCAAGATAGTCTTCAGAGGAATCGGGCCTCCAAGCGGGTGCCAAAGGAAAAAGGAGGAGATG
GTGTCCTGGAAATTTAACTTACCTAAGGAGTCCACATTTGCAGCCTGGCAAGGATTGCCATGAGAGC
AGCTCAGTCAATGTCTAAGAATCGATGTCTTCCGTCTAATGTGGAGGCCCTTCTGCCACAAGCCACT
GGATCCAGATGGTGTGTGTCCATGGCAGGCAGCTCCCTGCAGATAAGAAAGGTTGGGTTCCGCTGCAAT
TTCTTGTGGACAGACCTGGGTTCCAGACACTCCCAAGGATGAATTTCTCTTCTGTTACCGGCCTG
TATTATCCAGAACCAAGGAGTGAAGATAATTTGCTATGTCCTGAATGTGTTACAGCAACAAGAAGATC
CTAAGAAACTTTAAAATTAGAAGCCGTGCAAAGAAAAATGCCCTACCCCAAAATATGCCGCCG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224204 representing NM_028615
 Red=Cloning site Green=Tags(s)

MSYFGLETFNENQSEENLDEESVILTLVPFKEEEEEPNTDYATQSNVSSSTLDHTPPARSLVRHAGIKHPT
 RTIPSTCPPPSLPPIRDVSRNTLREWCRYHNLSTDGKKVEVYLRLRRHSYSKQECYIPNTSREARMKQGP
 KKSIVFRGIGPPSGCQRKKEESGVLEILTSPKESTFAAWARIAMRAAQSMKNRCLPSNVEAFLPQAT
 GSRWCVVHGRQLPADKKGWVRLQFLAGQTWVPDTPQRMNFLFLLPACIIPPEPGVEDNLLCPECVHSNKKI
 LRNFKIRSRAKKNALPPNMPP

TRTRPLE - GFP Tag - V

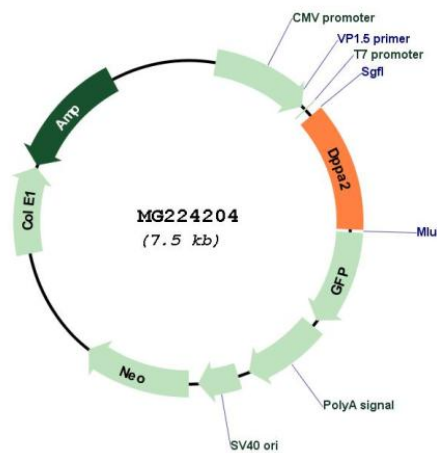
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_028615

ORF Size: 903 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_028615.1 , NP_082891.1
RefSeq Size:	1941 bp
RefSeq ORF:	906 bp
Locus ID:	73703
UniProt ID:	Q9CWH0
Cytogenetics:	16 B5
Gene Summary:	Binds to target gene promoters, including NKX2-5 and SYCE1, but not GATA4, and may be involved in the maintenance of the active epigenetic status of these genes.[UniProtKB/Swiss-Prot Function]