

Product datasheet for MR223192

Dopey2 (NM_026700) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dopey2 (NM_026700) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dopey2
Synonyms: 0610038M01Rik; 2610510B01Rik; AI503246; C21orf5; mKIAA0933
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR223192 representing NM_026700
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCCGGAGGAGCAGGAGCTACTGAACGATTACAGATACAGAAGCTACTCCTCAGTAATCGAGAAGG
 CGTTGAGAACTTTGAGTCTCCAGCGAATGGGCAGATCTCATCTCTTCGCTCGGCAAGCTCAACAAGGC
 TCTCCAGAGCAACTGAAGTATTCCTCCTACCACGGCGGCTCATCATCAGCAAGAGGCTAGCTCAGTGC
 TTGCATCTGCCCTGCCAGTGGCGTTCACCTAAAAGCCCTAGAAACCTACGAGATCATCTCAAGATTG
 TGGAAACCAAATGGCTGGCCAAGGACTTGTCTGTACAGCTGTGGCTTATCCCCCTACTGGCCTATGC
 CGCCATGTCCGGTCCGGCCCGTGTCTTGGCCTGTATGAGAAGTACTTCTCCCGCTGCAGAAGCTGCTC
 CTGCCAGTCTTCAGGCCTTCTTGTGGGTCTGCTGCCCGCCTGGAAGAAGGCTCTGAGATCTATGAAA
 GGTTGGTGATATCATGTCTGGGCTGCAGGCTTATCTGTGGGAACCTGTTCTG

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223192 representing NM_026700
 Red=Cloning site Green=Tags(s)

MDPEEQELLNDYRYSYSSVIEKALRNFESSSEWADLISSLGKLNKALQSNLKYSLLPRRLIISKRLAQ
 LHPALPSGVHLKALETYEIIFKIVGTKWLAKDLFLYSCGLFPLLAYAAMSVRPVLGLYEKYFLPLQKLL
 LPSLQAFVLVGLLPGLEEGSEIYERLVDIMSGLQALICRELVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

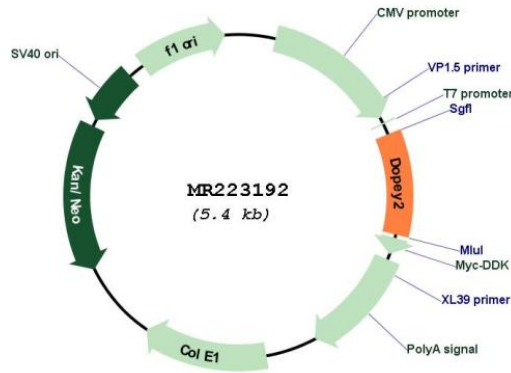


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Cloning Scheme:



Plasmid Map:



ACCN: NM_026700

ORF Size: 546 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:	<u>NM_026700.2</u> , <u>NP_080976.1</u>
RefSeq Size:	817 bp
RefSeq ORF:	549 bp
Locus ID:	70028
UniProt ID:	<u>Q3UHQ6</u>
Cytogenetics:	16 C4
MW:	21.1 kDa
Gene Summary:	May be involved in protein traffic between late Golgi and early endosomes.[UniProtKB/Swiss-Prot Function]