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Product datasheet for MR210695

Nop2 (NM_138747) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nop2 (NM_138747) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nop2
Synonyms:	120kDa; A530002O17; Nol1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR210695 representing NM_138747
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCGCAAGTTGGATCCTACGAAGAAGGAGAAGCGTGGACCCGGCCGAAAGGCCCGAAAACAGAAGG
GTGCGGAGACCGAATTGGTCAGATTTTTGCCTGCAGCTGGCGATGAGAATTCCAAGAGGCTGTCGAGTCG
TGCCCGAAAGCGGGCAGCCAAGAGGAGGGCAGGGTCTGTTGACGTCCCTAAGCCAAATAAGTCTCCTGGG
ATCAAAACATTGCCTGGAGAGTTATCCAAAGGAGCAGTCCAGGCTCGAGGTAAGAAGCGCCCAGCACCAA
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TGCTGCGGGATTTCGGAGCTCAGCGAGAAGAGGGCCGGTCTCGAGCTGAGTATCTAAGTCGGCTTCAGAA
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TATATGCTGCAGGGAGCTTCCAGTATGTTGCCCGTCATGGCCCTGGCACCTCAGGAGCATGAGCGGATCT
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CT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210695 representing NM_138747
Red=Cloning site Green=Tags(s)

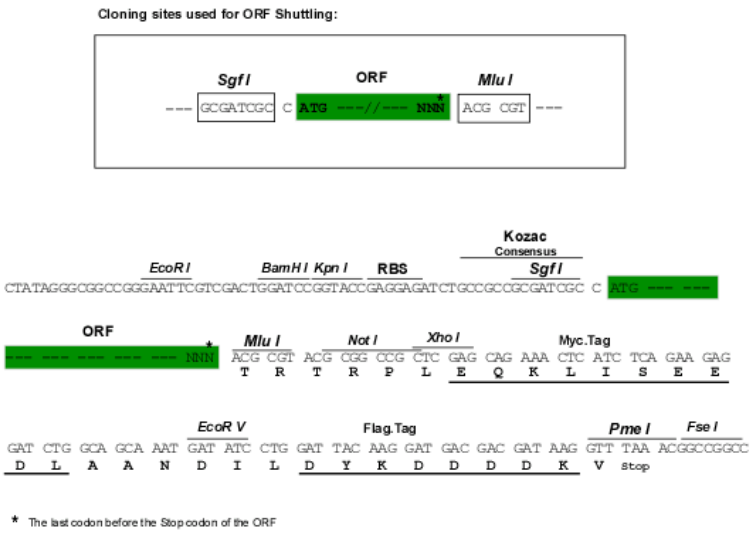
MGRKLDPTKKEKRGPGRKARKQKGAETELVRFLPAAGDENSKRLSSRARKRAAKRRAGSVDVPKPNKSPG
IKTLPGELSKGAVQARGKKRPAPIQNSDGDEEEDSGEDDVVTQGDLWGSEDSDEDMVDDYGAASNSEDEE
EKLLPIERAALKQKAQDATAGVLWNEEDTDEDEDDDGVSPESHPRKDDKAEGDLQINVEDEEAFVLPPAG
ETDQDGQAPDLQRVHKRIQDIVGVLRDFGAQREEGRSRAEYLSRLQKDLATYYSYGDFLLSKLMELFPLS
ELIEFLEANEVPRPITLRTNTLKTRRRDLAQALINRGVNLDPLGKWSKSGLVVYDSSVPIGATPEYLAGH
YMLQGASSMLPVMALAPQEHERILDMCCAPGGKTSYIAQLMKNTGVILANDANADRLKSVVGNLHRLGVT
NTIISHYDGRQFPKVVGGFDRVLLDAPCSGTGVISKDPAVKTNKDEKDIQRCAHLQKELLLSAIDSVNAA
SKTGGYLVYCTCSITVEENEWVVDYALKKRNVRLVPTGLDFGQEGFTRFQARRFHPTLRSTRRFYPHTHN
MDGFFIAKFKKFSNSIPQPHAGNSAAATPTEPDLKDQVTPKSENGSQPTKKARGAVKAKQQLLRQPHSKK
PFQKLNGIAKGPGLSTEPSVPDAQVSTRPSQSAGNADVNSKRKRSEKLKQRGPKWKPSKEAAVPKPSAPS
RVEDSRTPPVPTPSEIRAAPRPKDCAPSLGEAKKKQKGKQQLAQQPANGAAPLKEDAVSKGPSAPFVSPH
SSTRPPPAKRRKSMTKGNSQPLLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9035_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_138747
ORF Size:	2382 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_138747.2, NP_620086.2

RefSeq Size: 2626 bp

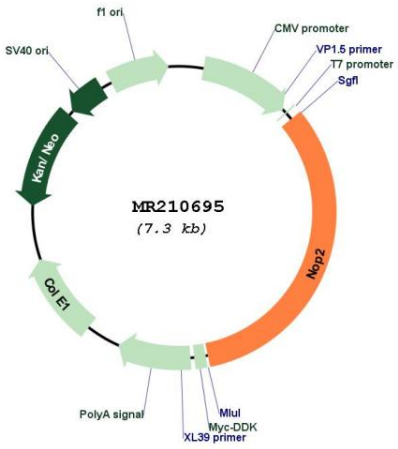
RefSeq ORF: 2385 bp

Locus ID: 110109

Cytogenetics: 6 59.32 cM

MW: 87.4 kDa

Product images:



Circular map for MR210695