

Product datasheet for MR214559

Ngp (NM_008694) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ngp (NM_008694) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ngp
Synonyms: bectenecin
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR214559 representing NM_008694
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGGGCTGTGGAAGACCTTTGTATTGGTGGTGGCCTTGGCTGTGGTCTCCTGTGAGGCCCTTCGAC
 AACTAAGATATGAGGAGATTGTTGATAGAGCCATAGAGGCATACAACCAAGGGCGGCAAGGAAGACCCCT
 CTTCCGCTGCTAAGTGCCACTCCGCCTTCTAGTCAGAATCCTGCTACCAATATCCCACTCCAGTTCAGG
 ATTAAGAGACAGAGTGTACTTCCACCCAGGAGAGACAGCCTAAAGACTGCGACTTCTGGAGGATGGGG
 AGGAGAGAAATTGCACAGGGAAATTCTTCAGAAGGCGGCAGTCAACCTCCCTGACCTTGACCTGCGACAG
 GGATTGCAGTCGAGAGGATACCCAAGAAACCAGTTTTAATGATAAGCAAGACGTCTCTGAAAAGGAAAAG
 TTCGAAGATGTGCCCCCTCACATCAGGAACATTTATGAAGATGCCAAGTATGATATCATCGCAACATCC
 TGAAAAATTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214559 representing NM_008694
 Red=Cloning site Green=Tags(s)

MAGLWKTFLVVALAVVSCEALRQLRYEEIVDRAIEAYNQGRQGRPLFRLLSATPPSSQNPNATNIPLQFR
 IKETECTSTQERQPKDCDFLEDGEERNCTGKFFRRRQSTSLTLTCDRDCSREDTQETSFNDKQDVSEKEK
 FEDVPPHIRNIYEDAKYDIIGNILKNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

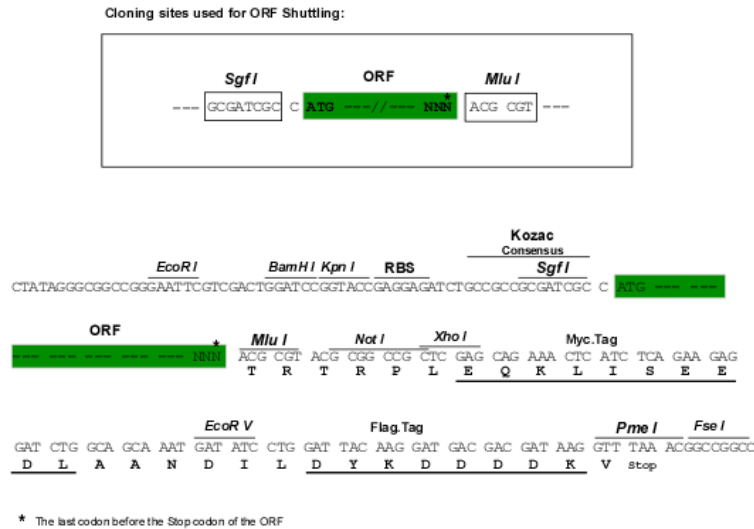
Chromatograms: https://cdn.origene.com/chromatograms/mm9050_c07.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_008694

ORF Size: 501 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

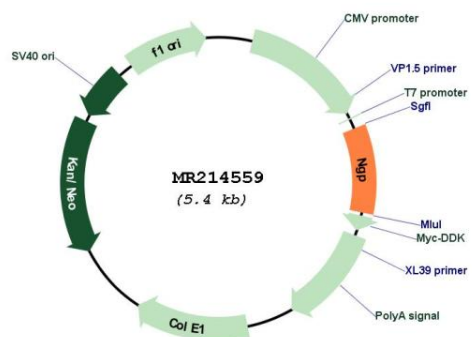
RefSeq: [NM_008694.2](#), [NP_032720.2](#)

RefSeq Size: 1176 bp

RefSeq ORF: 504 bp

Locus ID:	18054
UniProt ID:	O08692
Cytogenetics:	9 F2
MW:	19.3 kDa
Gene Summary:	Acts as an inhibitor of cathepsin B (CTSB) activity. Plays a role as a negative regulator of tumor vascular development, cell invasion and metastasis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR214559