

Product datasheet for **MR208054**

Ina (NM_146100) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ina (NM_146100) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ina
Synonyms:	AV028420; NF-66; NF66
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208054 representing NM_146100
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCTTCGGATCGGAGCACTATTTGTGCTCCGCTCCTCTACCGCAAGGTGTTGGGGACAGCTCGC
 GCCTCTCCGCGCGCTGTCCGGCCGGGAGGCTCGGGCAGCTTCCGCTCGCAGTCGCTGTCCCGCAGCAA
 TGTGGCCTCCACGGCCGCTGCTCCTCGGCCTCGTCCCTCGGCCTGGGCCTGGCCTACCGCCGCTGCCG
 GCCTCCGACGGGCTGGACCTGAGCCAGGCGGGCGCGCACCAACGAGTACAAGATCATCCGCACTAACG
 AGAAGGAGCAGCTGCAGGGCCTCAACGACCGCTTCCGCGTGTTCATCGAGAAGGTGCACCAGCTGGAGAC
 GCAGAACCGTGCCTCGAGGCCGAGCTGGCCGCGCTGCGCCAGCGCCACGCCGAGCCGTCGCGCTCGGC
 GAGCTCTCCAGCGGAGCTGCGCGAGCTGCGCGCGCAGCTGGAGGAGGCGAGCTCGGCGCGCGCAGG
 CCCTGCTGGAGCGGATGGGCTGGCCGAGGAGGTGCAGCGACTCGGGCGCGCTGCGAGGAGGAGAGCCG
 CGGGCGGAAGGCGCGAGCGCGCCCTGAAGGCGCAGCAGCGCGAGCTGGACGGCGCCACCCTGGCCCGC
 CTGGATCTGGAGAAGAAGGTGGAGTCGCTGCTGGACGAGCTGGCTTTCGTGCGCCAGGTCCACGACGAGG
 AGGTGGCCGAGCTCCTGGCCACGTTGCAGGCGTCTTCGCAAGCCGCCGCCGAGGTGGACGTGGCCGTGGC
 TAAACCAGACCTGACTTCGGCGCTGAGGGAGATCCGCGCGCAGTATGAGTCCCTGGCCGCTAAGAACCCTG
 CAGTCCGCGGAGGAGTGGTACAAGTCCAAGTTCGCCAACCTAAACGAGCAGGCTGCGCGCAGCACCAGG
 CCATCCGAGCCAGCCGAGAGGAGATCCACGAGTACCGGCCAGCTCCAGGCACGTACCATTGAGATAGA
 GGGTCTGCGCGGAGCCATGAGTCCCTGGAGAGGCAGATCTTGAACTGGAGGAGCGGCACAGCGCTGAG
 GTGGCCGGCTACCAGGACAGCATTGGCCAGCTGGAAAGTGACCTGAGGAACACAAAAAGCGAGATGGCAC
 GCCACCTTCGGGAATACCAGGACTTGCTCAATGTCAAAATGGCCCTTGACATTGAGATCGCAGCTACAG
 GAAGTCTCTGGAAGGTGAAGAGACGCGGTTTAGCACCGCGGGTTAAGCATCTCGGGGCTGAATCCACTG
 CCCAATCCAGTTATTTGCTCCCTCCAGAATCCTTAGCTCTACAGCCTCCAAAGTCTCCTGCGGGC
 TGTCCCTGAAAAAGGAGGAAGAAGAGGAGGAGGAAGAGGCCTCTAAGGAAGTCAAGAAAAACATCCAA
 GGTAGGGGAAGGTTTCGAAGAGACACTGGGGGAAGCGGTAATATCTACGAAGAAAAGTGGAAAGTCGGCT
 ACAGAAGAAAGTACCAGTTCAAGCCAAAAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208054 representing NM_146100
 Red=Cloning site Green=Tags(s)

MSFGSEHYLCSASSYRKVFGDSSRLSARLSGPGGSGSFRSQLSRSNVASTAACSSASSLGLGLAYRRLP
 ASDGLDLSQAAARTNEYKIIRTNEKEQLQGLNDRFAVFIEKVHQLLETQNRALAEELRQRHAEP SRVG
 ELFQRELRELRAQLEEASSARAQALLERDGLAEEVQRLRARCEEESRGREGAERLKAQQRDVGATLAR
 LDLEKKVESLLDELAFVRQVHDEEVAELLATLQASSQAAAEVDVAVAKPDLTSALREIRAQYESLAANKL
 QSAEEWYKSKFANLNEQAARSTEAIRASREEIHEYRRQLQARTIEIEGLRGANESLERQILELEERHSAE
 VAGYQDSIGQLES DLNRTKSEMARHLREYQDLLNVKMALDIEIAAYRKLLEGEETRFSTGGLSISGLNPL
 PNPSYLLPPRILSSTASKVSSAGLSLKKEEEEEEEASKEVSKKTSKVGEGFEETLGEAVISTKKTGKSA
 TEESTSSSQKM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9092_b05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_146100

ORF Size: 1503 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_146100.5](#)

RefSeq Size: 2272 bp

RefSeq ORF: 1506 bp

Locus ID: 226180

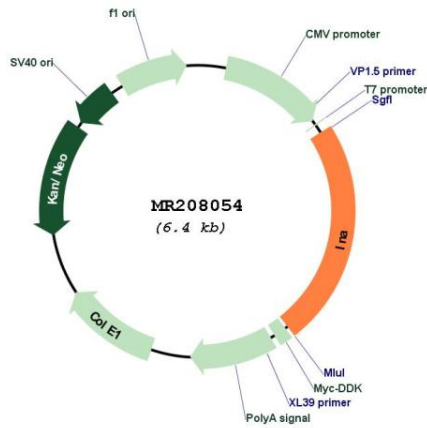
UniProt ID: [P46660](#)

Cytogenetics: 19 C3

MW: 55.4 kDa

Gene Summary: Class-IV neuronal intermediate filament that is able to self-assemble. It is involved in the morphogenesis of neurons. It may form an independent structural network without the involvement of other neurofilaments or it may cooperate with NF-L to form the filamentous backbone to which NF-M and NF-H attach to form the cross-bridges (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208054