

Product datasheet for **MR208376**

AI450540 (BC062949) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	AI450540
Synonyms:	AI450540; mKIAA1600
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR208376 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTTCTCCAAGCTTACGTCCATCCTGCAGCATGCCGTGGAGGCGCTCGCACCGTCTCTCCCGTTACAAG
 AAGATTTTGTATTCACTGGAAGGCGATTACACACTACTACATAGAACTTCAGATGATAAAGCCCCAGT
 GACCGACACAAACATCCCATCCCACTGGAACAGATGTTAGACATCCTGGTCCAAGAAGAAAATGAGCGG
 GAATCTGGAGAGACAGGCCATGCATGGAATACCTGCTCCATCACAAGATCTTGAAACGTTATACACCT
 TAGGGAAGCCGACTGCCCTCCAGGAATGAAGCAGCAGGTTTGGTGTCTATACCAAGCTTCTGGGACG
 AATCCGGCAGCCCCCTGCTTCCACACATCAACGTACACAGGCTGTGCAGAAATTAATTCGACTCTGTGGT
 GAGGTCTTGAACGCCAACGGAGAATGAAGAGATCCAGTTTCTCTGCATCGTGTGTCAAAGCTGAAAC
 AGGATCCCTACTTGGTCAACTTTTCTGGAGAACAATCAAAGTCCCTGGTGTCCAGAGGAGCTCTGAG
 TGTCTCTCAGAGGATGGCCAAAAGTCAAGACCCGGGTGAGGAGACGTGAGCCAGTCCAGCAGCCCC
 CAGGAGCTGTGAGGTGCTACTGGGTGGAGCCACGGAGTCGGAGGAAGAGCCCCCTCACCAGATGGATG
 ACCTGTCTGCAAGCCTAGATGACCTCAATGTCACTCACTGCCGGAGGCTCTGCCGTCCGGCCAAACCA
 GGACTACAACCTAGTGAATCTTTGTTAAACCTGACAAGAAGTCTGACGGCCGGATAGCTGTGAAGGCC
 TGGCAGGGCTTGATGCTCTTGGTGAGCCTACCGAGCCTGCGGTGCCAAGTGCCTTGTCTCAGAGCACCT
 GCCTGTGCGAGCTGTGACCGCAGACTCACCTCCCTGTACAAGGCTCTACCTCAGTCAGTGGACCCCTT
 AGACATTGAAACCGTGGAGGCACTTAACCTGGGGTTGGACTCATACAGCCATAAAGAAGACGCTTCGGCG
 TTCCCGGGGAAGCGGCCCTTAATTTCAATTTCTTCTGGTTCGATTACTGTGATCAGCTCATCAAGGAGG
 CACAAAAGACTGCTGCTTGTCTCTGCCAAAGCCATCCACGAAAGTTCTTTGTTGGTGTCTGGAACC
 CCAGCTGATGACAGCCTCTGAGATGGGATTCTGACCTCGACGGCCTTGTGACCCGATCGTCCGGCAA
 GTGACCTCAGACGTCCTGCTTCAGGAAATGGTGGTCTTCATCCTCGGAGAACAGAGGAGCCAGAAACTC
 TGTCAGAAATTAGCAGACATCTCTAAGACATAGGTTAATCGAATTGCGATCACATATCTGATGAGAT
 CAGCATCATGACCTGAGGATGTTTGAACATCTCTACAAAAGCCCAATGAACATCCTCTACAACTG
 GTCTTGAGAAACCTGGAAGAAAGAACTATACGGAGAACAACTTCTGCCCGGAAGACAAGGACGTGG
 TGGAGAACGGGCTGATAGCAGGCGCCGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR208376 protein sequence
 Red=Cloning site Green=Tags(s)

MFSKLTSLQHAVEALAPSLPLQEDFVYHWKAITHYYIETSDDKAPVTDNIPSHLEQMLDILVQEENER
 ESGETGPCMEYLLHHKILETLTLGKADCPPGMKQQVLVIFYTKLLGRIRQPLPHINVHRPVQKILRLCG
 EVLATPTENEEIQFLCIVCAKLRQDPYLVNFFLENKSKSLVSRGALSVISEDGPKGQDPGSGDVSQCQP
 QELSGATGVEPTESEEEPPHQMDL SASLDDLNVTSLEASAVRPNQDYNLVNSLLNLTRSPDGRIAVKA
 CEGMLLVSLPEPAAAKLAQSTCLCELLTGRLTSLYKALPQSVDPDLDIETVEAVNWGLDSYSHKEDASA
 FPGKRALISFLSWFDYCDQLIKEAQKTAVALAKAIHERFFVGVMEPQLMQTSEMGIITSTALLHRIVRQ
 VTSDVLLQEMVVFILGEQREPETLSEISRHLRHLIEHCDHISDEISIMTLRMFEHLQKPNEHILYNL
 VLRNLEERNYTENKPSCPEDKDVVENGLIAGAV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC062949

ORF Size: 1569 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.

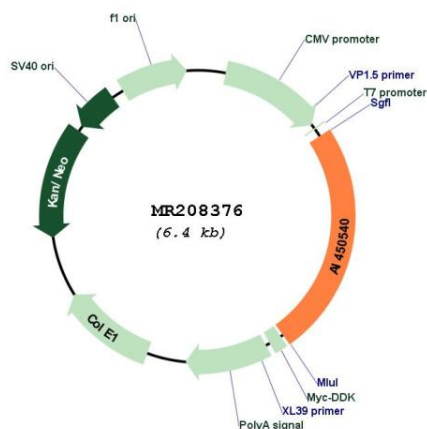
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC062949](#), [AAH62949](#)

RefSeq Size: 3797 bp

RefSeq ORF:	1571 bp
Locus ID:	226252
Cytogenetics:	19 D2
MW:	58.5 kDa
Gene Summary:	May be required for proper functioning of the nervous system.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208376