

Product datasheet for MC223648

Nckap1 (NM_016965) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nckap1 (NM_016965) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nckap1
Synonyms:	C79304; H19; Hem-2; Hem2; mh19; mKIAA0587; Nap1; p125Nap1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223648 representing NM_016965 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCGCGCTCCGTGCTGCAGCCAGTCAGCAGAAGCTGGCGGAGAAGCTCACCATCTCAACGACCGGG
GCGTCGGCATGCTCACGCGCCTACAACATCAAGAAGGCATGTGGCGACCCCAAGGCTAAACCCCTCCTA
CCTTATTGACAAAACCTGGAATCTGCTGTGAAATTCATAGTCAGAAAATTTCTGCTGTAGAAACGCGC
AACAAATCAACAGCTGGCACAGCTACAGAAAGAAAAATCAGAGATTCTGAAAAATCTGGCGTTGTATT
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TCACAAAATCAGAGAACATTAGTCCAGAGGAAGAATACAAGATCGCTTGTCTCTGATGGTCTTTGTAG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_016965
- Insert Size:** 3387 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_016965.3](#), [NP_058661.1](#)

RefSeq Size: 4403 bp

RefSeq ORF: 3387 bp

Locus ID: 50884

UniProt ID: [P28660](#)

Cytogenetics: 2 48.21 cM

Gene Summary: Part of the WAVE complex that regulates lamellipodia formation. The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex. Actin remodeling activity is regulated by RAC1. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (PubMed:27605705). [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' end compared to variant 1, resulting in an isoform (b) that is shorter compared to isoform a.