

Product datasheet for SC115236

NCKAP1 (NM_013436) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCKAP1 (NM_013436) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCKAP1
Synonyms:	HEM2; NAP1; NAP125; p125Nap1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115236 sequence for NM_013436 edited (data generated by NextGen Sequencing)

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ATGTCGCGCTCAGTGCTGCAGCCAGTCAGCAGAAGCTGGCGGAGAAGCTCACCATCCTC
AACGACCGGGGCGTCGGCATGCTCACCCGCTCTACAACATCAAGAAGGCATGTGGAGAC
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Clone variation with respect to NM_013436.3
2781 c=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_013436 unedited
 NGTCGGCTTTTGTATACGACTCCTATAGGGCGGCCGATTCGGCACGAGGCCGGGGCGC
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_013436 unedited
 CGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTGTGATACAGTCTAGTGTTT
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 TTAGGGACTAACATTTGTATCAACAGTTGATAAATGTCTAAGATTGTTTATTATACAGCA
 GGGTACAATGGTAGTGCTAATGCCAACAGGGCACCATGGAAGTTAGTCTAAAAATTATCG
 CTAGGCTTTATACAAGCAACAACATATGCTGCTGCTCTTAAAAATTTGGGAAATGATCTG
 CTTCTAACTAAGCAGTTCTTTAACATTTTTAAATGTTATACAGTGTTACAGTATTTAG
 TTTGGCAAATGTTTCAAAATAAAGTAGAAATGTATTCATAACATCACAGAAATGCACATC
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 TCAGAAAATACAACCGTATGAAAGAAATTTATAATCCACAAAACCTTTTTCAGGTCTTAAG
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 TTCTCAGCAGACTAAGGAAACAGATTCCAAGATCATTGTAGGATGGAGATCTTGACATCA
 TTCTAGG

Restriction Sites:

NotI-NotI

ACCN:

NM_013436

Insert Size:

4200 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:	<ol style="list-style-type: none">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_013436.3 , NP_038464.1
RefSeq Size:	4619 bp
RefSeq ORF:	3387 bp
Locus ID:	10787
UniProt ID:	Q9Y2A7
Cytogenetics:	2q32.1
Protein Families:	Druggable Genome
Protein Pathways:	Regulation of actin cytoskeleton
Gene Summary:	<p>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.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).</p>