

Product datasheet for **RC230643**

NCKAP1L (NM_001184976) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NCKAP1L (NM_001184976) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NCKAP1L
Synonyms: HEM1; IMD72
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC230643 representing NM_001184976
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAACCATCTCTCAAGTATATCAACAAGAAATTTCCCAACATAGATGTCGAAACAGCAGCGCAACATT
TAGGACCAGTACATCGTAAAAAGCCGAGATAATTAGATTCCTCACCACACTACTACCAGTCATTTGTGGA
TGTCATGGAATTCGGGATCATGTATATGAACTTCTCAACACCATTGATGCCTGCCAGTGCCATTTTGAT
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TTCTGTACCGGATTGAAGATCGGCGGATACTCATTGGCATGTACAATTGTGCCCATGAGATGCTGCATGG
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GAAGAAACCAGGGGGCTGAGCAGTGGCGCAGTGCCCAACTTCTAAGCCTCATCAGCAACCCCGAGCCAT
GATTAACCCTGCTAATTCAGATAACAATGGCCTGTGAGTATCTGTCTGTGGAAGTAATGGAGCGCTGGATT
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CCTGTTTTAGCAGTTTGAAGGGTATGGCAAGAGAGTGGCAGACATAAAGGAGAGCAAGGAACATGTAATT
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TGATACAGCAATACCACCTTCAGTACTTGCAAGATTTGATGCTCTTGTGCTCAGTGACATCATTAGAA
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ATGCCATTGCTTTCCCCCTGATTTGTGCTCACTTTGTCCACTGCACTCATGAGATGTGCCAGAGGAGTA
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230643 representing NM_001184976
 Red=Cloning site Green=Tags(s)

MEPSLKYINKKFPNIDVRNSTQHLGPVHREKAEIIRFLTNYYSQSFVDVMEFRDHVYELLNTIDACQCHF
 INLNDFDTRSYLDLIVTYTSVILLLSRIEDRRILIGMYNCAHEMLHGHGDPSPFARLQGMVLEYDHLKLL
 TEEFGPHTKAVSGALLSLHFLVRRNQGAEQWRSQLLSLISNPPAMINPANSDTMACEYLSVEVMERWI
 IIGFLLCHGCLNSNSQCQKLWKLCLQGSLYITLIREDLVQVHKVTEDLFSSKGYGKRVADIKESKEHVI
 ANSGQFHCQRRQFLRMAVKELETVLADEPGLLGPKALFAFMALSFIRDEVTWLVRHTEVTKTKTPEDYA
 DSSIAELLFLLLEGIRSLVRRHIKVIQQYHLQYLARFDALVLSDIIQNLSVCPEEESIIMSSFVSILSSLN
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 NCVLEICAQRNLSEQLLPKHCATTISKAKNKKTRKQRQTPRKGEPPERDKPGAESHKRNRSIVTNMDKLH
 LNLTELALTMNHVYSFVFEHTIFPSEYLSHLEARNRAIVWLAGYNATTQEIIVRPSSELLAGVKAYIGF
 IQSLAQFLGADASRVIRNALLQQTQPLDSCGEQITITLTYNHWYLESLLRQASSGTIILSPAMQAFVSLPR
 EGEQNFSAEEFSDISEMRALAEALLGPYGMKFLSENLMWHVTSQIVELKKLVVENMDILVQIRSNFSKPD
 MASLLPQLTGAENVLKRMTIIGVILSFRAMAQEGLEVFSSHCPFLMGPICLKEFVTPDIDIKVLSIF
 ELASAAGVGCIDIPALVAAIANLKADTSSPEEEYKVACLLLI FLAVSLPLLATDPSFYSIEKDGYNNNI
 HCLTKAIQVSAALFTLYNKNIETHLKEFLVVASVSLQLGQETDKLKTRNRESISLLMRLVVEESSFLT
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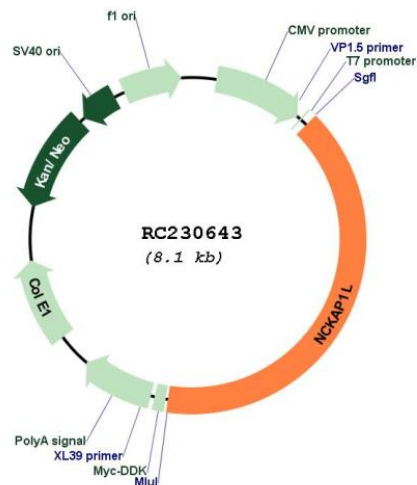
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001184976

ORF Size: 3231 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:	<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:	<u>NM_001184976.2</u>
RefSeq Size:	3780 bp
RefSeq ORF:	3234 bp
Locus ID:	3071
UniProt ID:	<u>P55160</u>
Cytogenetics:	12q13.13-q13.2
Protein Pathways:	Regulation of actin cytoskeleton
MW:	122.5 kDa
Gene Summary:	This gene encodes a member of the HEM family of tissue-specific transmembrane proteins which are highly conserved from invertebrates through mammals. This gene is only expressed in hematopoietic cells. The encoded protein is a part of the Scar/WAVE complex which plays an important role in regulating cell shape in both metazoans and plants. Alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, May 2010]