

Product datasheet for **SC116794**

NCKAP1L (NM_005337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NCKAP1L (NM_005337) Human Untagged Clone
Tag:	Tag Free
Symbol:	NCKAP1L
Synonyms:	HEM1; IMD72
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005337, the custom clone sequence may differ by one or more nucleotides

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ATGTCCTTTGACATCTGCTTACCAGCATAAATTAGCAGAGAAGCTCACTATCCTGAATGATCGCGGTCAGG
GGGTTCTCATCCGTATGTATAACATCAAGAAGACTTGTTCCAGACCCCAAATCTAAGCCACCTTTCTTACT
GGAAAAGTCCATGGAACCATCTCTCAAGTATATCAACAAGAAATTTCCCAACATAGATGTCGAAACAGC
ACGCAACATTTAGGACCAGTACATCGTGAAAAAGCCGAGATAATTAGATTCTCACCACACTACTACCAGT
CATTTGTGGATGTCATGGAATTTCCGGATCATGTATATGAACTTCTCAACACCATTGATGCCTGCCAGTG
CCATTTTGATATCAATCTCAACTTTGATTTCACTCGGAGTTACCTGGACTTGATTGTAACCTACACCTCA
GTCATTTTACTTCTGTACGGATTGAAGATCGGCGGATACTCATTGGCATGTACAATTGTGCCCATGAGA
TGCTGCATGGGCATGGTGACCCAGTTTTGCCCGTCTGGGTGAGATGGTCTTGGAGTATGACCACCTCT
GAAGAAGCTGACAGAAGAGTTTGGGCTCACACAAAGGCTGTGAGTGGAGCCCTCCTCTTTGCATTTTC
CTCTTTGTCCGAAGAAACCAGGGGGCTGAGCAGTGGCGCAGTGCCCAACTTCTAAGCCTCATCAGCAACC
CCCCAGCCATGATTAACCCTGCTAATTCAGATACAATGGCCTGTGAGTATCTGTCTGTGGAAGTAATGGA
GCGCTGGATTATCATTGGGTTTCTTCTTTGTCATGGGTGCCTCAACTCCAATAGCCAGTGCCAGAAGCTG
TGGAAGCTGTGTCTGCAGGGCTCCCTCTACATCACCTTATCCGTGAGGATGTGTGCAGGTGCACAAAG
TCACCGAGGACCTGTTTAGCAGTTTGAAGGGTATGGCAAGAGAGTGGCAGACATAAAGGAGAGCAAGGA
ACATGTAATTGCAAACAGTGGCCAGTTTCATTGTCAACGGCGGCAATTTCTGCGGATGGCAGTGAAGGAG
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CCTTCATTCTGTGATGAGGTCACCTGGCTGGTTCGCCACACAGAGAATGTCACCAAGACAAAGACACCTGA
GGACTATGCTGACTCGAGCATTGCAGAGCTACTTTTCTGTTGGAGGGGATTAGGTCTCTGGTCCGAAGA
CACATCAAAGTGATACAGCAATACCACCTTCAGTACTGGCAAGATTTGATGCTCTTGTGCTCAGTGACA
TCATTCAGAACTGTCTGTGTGTCCAGAGGAGGAGTCCATCATCATGTCCTCATTCTGTCAGTATCCTCTC
CTCTCTGAATCTCAAACAAGTTGATAATGGAGAAAAATTTGAATTCTCAGGATTGAGGCTGGACTGGTTC
CGCTACAGGCATACACTAGCGTGGCTAAGGCCCTCTGCACCTGCATGAGAACCCTGACTTAGCCAAGG
TGATGAACCTCATTGTCTCCACTCCCGAATGCTGGACTCCGTAGAAAAATTGCTGGTGGAACTCTGA

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TCTGTCTACTTTCTGCTTTCATCTTCGTATCTTTGAGAAGATGTTTGCCATGACCTTGGAGGAATCTGCC
 ATGTTGCGTTATGCCATTGCTTTCCCTGATTTGTGCTCACTTTGTCCACTGCACTCATGAGATGTGCC
 CAGAGGAGTACCCCCACCTCAAGAACCATGGTCTTCACTGCAACTCCTTCTGGAAGAGTTGGCCAA
 GCAGACCAGCAATTGCGTCTGGAGATCTGTGCTGAGCAGCGAAACCTGAGCGAGCAGCTTCTACCTAAG
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 GAGAGCCCCGAGAGGGACAAGCCAGGAGCTGAGAGTCACCGGAAGAACCAGCAGATTGTACCAACATGGA
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 CATTCTTATGGGTCCCATTGAGTGCTTGAAGGAGTTTGTCACTCCAGACACAGACATCAAGGTGACCTT
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 GCTAATCTGAAAGCTGATACTTCATCTCCTGAGGAGGAATATAAGGTGGCCTGCCTGCTCTTGATCTTTC
 TGGCAGTTTCCCTCCCCTCCTTGGCACTGACCCTTCTCCTTTTATAGCATTGAGAAGGATGGTTACAA
 CAACAATATTGCTTGAACCAAGCCATCATCCAGGTGTCTGCTGCCCTTTTCAGCCTCTACAACAAG
 AACATTGAAACTCACCTCAAGGAATTTCTGGTGGTGGCCTCTGTCAGCCTTTGCAGCTGGGCCAGGAGA
 CTGACCAAGCTTAAAACCAGAAATCGAGAATCCATTTCTCTGCTCATGCGCTTGGTGGTGGAGGAGTCATC
 TTCTGACCCTGGACATGCTGGAGTCTGTTCCCTTATGCTCTGCTTGCAAATGCCTATCGGGAGGTG
 TCTCGGCCCTCCACCTAAACTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005337 unedited
 AATACGACTCACTATAGGGCGGCCGGAATTCGGCAGCAGGGGCTGATGAACCGGGACTA
 CTGGGTCTAAGGCTCTTTTTGCTTTTCATGGCCCTGTCTTCATTTCGTGATGAGGTCACC
 TGGCTGGTTCCGCACACAGAGAATGTCACCAAGACAAAGACACCTGAGGACTATGCTGAC
 TCGAGCATTGCAGAGCTACTTTTCTTGTGGAGGGGATTAGGTCTCTGGTCCGAAGACAC
 ATCAAAGTGATACAGCAATACCACCTTCAGTACTTGGCAAGATTTGATGCTCTTGTGCTC
 AGTGACATCATTAGAACTTGTCTGTGTGTCCAGAGGAGGAGTCCATCATCATGCTCTCA
 TTCGTGATATCCTCTCCTCTGAAATCTCAAACAAGTTGATAATGGAGAAAAATTTGAA
 TTCTCAGGATTGAGGCTGGACTGGTTCGGCCTACAGGCATACACTAGCGTGGCTAAGGCC
 CCTCTGCACCTGCATGAGAACCCTGACTTAGCCAAGGTGATGAACCTCATTGTCTCCAC
 TCCCGAATGCTGGACTCCGTAGAAAAATGCTGGTGGAACTTCTGATCTGTCTACTTTT
 TGCTTTCATCTTCGTATCTTTGAGAAGATGTTTGCCATGACCTTGGAGGAATCTGCCATG
 TTGCGTTATGCCATTGCTTTCCCTGATTTGTGCTCACTTTGTCCACTGCACTCATGAG
 ATGTGCCAGAGGAGTACCCCCACCTCAAGAACCATGGTCTTCACTGCACTGCACTCATGAG
 CCTGGNAAGAGTTGGCCAAGCAGACCACNATTGCGTCTGGAGATCTGTGCTGAGCAGCG
 AAACCTGAGCGAGCAGCTTCTACCTAAGCACTGTGCCACTACATNCAGCAAGCCGAGGAA
 CAGAAAACANGAAGCAGAGGCNGACTCCAGAAAAGGGAAGCN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_005337 unedited GAAAAGNNAATCTTGNACCGCGCCGCAATCTANATCGAGTNNTTTTTTTTTTTTTTTTTTTT TTTATACTTGTACGTTACTCCTTTTTTCATTGTAAAATTCACACATGGTGGCCCCACGCC CTAACCTTTTTCCATAAGCTGTCTCCATGCTCCCAGCCTGCCTCACTGCTCTACGATTTT TCAGCCCTGGATTGTTCTCCACAGATCTGCTCATCAACTCTGGCTCCTGACCCTCTCTC CTTAGTGACCCCAACCCATTCCCACCCCTGCGAAAAGTGACCACAGCTTCCACTATGGCA AGGGTTTANGAAGGTCCAAAGGGCTCTTCAGTGGGTACTGGCAGGCATTAGTTTAGGTG GAAAGCCCGAGACACCTCCCGATAGGCATTTTCAAGCAGGACATANGGAAAACAGGACTC CAGCATGTCCAGGTCAGGAAGGATGACTNNCTACCACCAGCGCATGAGCAGAGAAATG GATTCTCGATTTCTGGTTTTAAGCTTGTGAGTCTCCTGGCCCACTGCANGAAGCTGACA GAGGCCACCACAAAAATNNCTGAGNGGAGTTCAAGGTTCTTGGTGAAGCGTGAANAAGG CACCACAACCTGATGAGGGCTTGGGCAAGCCATGAATTTGTTGTTGTACCATCTTTTCAT GCTTTAAAGGANAAGGTGATGGCCAGGAAGTGGAGGGAACTGCCAAAAATCAAACC GGCAGGCCCTTTATTCCCCTTAGAAAAGAGGTTCCCTTTAAAAATAACAGGGCCCCCA CAGGGGGTTCAGTGCCAGCCCCCTCCCAAAGCCGTTAAAAACCAAGGCACCTTGTTT TGGGTTGAGGAAAACCTTTAGCCCCAGGGGCCCTAAAAGGGCGGGGAGAAAACCCCT GAACCTTTGGGCGGGCCCTATCGAAACCCAGGGGTTTTCTTTACAATTTACCCCGGAA G
Restriction Sites:	NotI-NotI
ACCN:	NM_005337
Insert Size:	2770 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:	<u>NM_005337.1</u> , <u>NP_005328.1</u>
RefSeq Size:	3909 bp
RefSeq ORF:	3909 bp
Locus ID:	3071
UniProt ID:	<u>P55160</u>
Cytogenetics:	12q13.13-q13.2
Protein Pathways:	Regulation of actin cytoskeleton

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]

Transcript Variant: This variant (1) encodes the longer isoform (1).