

Product datasheet for **RG230643**

NCKAP1L (NM_001184976) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NCKAP1L (NM_001184976) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NCKAP1L
Synonyms: HEM1; IMD72
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG230643 representing NM_001184976
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

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 TAGGACCAGTACATCGTGAAAAAGCCGAGATAATTAGATTCCTCACCAACTACTACCAGTCATTTGTGGA
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TCCACCTAAAC
    
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG230643 representing NM_001184976

Red=Cloning site Green=Tags(s)

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IIGFLLCHGCLNSNSQCQKLWKLCLQGSLYITLIREDLVQVHKVTEDLFSSLKGYGKRVADIKESKEHVI
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TRTRPLE – GFP Tag – V

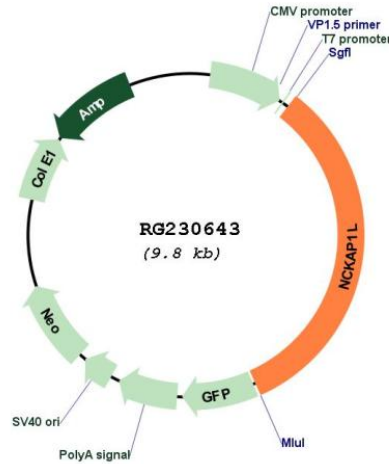
Restriction Sites:

Sgfl-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
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]