

## Product datasheet for **RC221329**

### SEH1L (NM\_001013437) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SEH1L (NM_001013437) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEH1L
Synonyms:	SEC13L; Seh1; SEH1A; SEH1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC221329 representing NM\_001013437  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTTTGTGGCTCGCAGCATCGCGCGGACCACAAGGATCTCATCCAGATGTCTCTTTGACTTCCACG  
GGCGGCGGATGGCAACCTGCTCCAGCGATCAGAGCGTTAAGGTCTGGGATAAAAGTGAAAGTGATTG  
GCATTGTACTGCTAGCTGGAAGACACATAGTGGATCTGTATGGCGTGTGACATGGCCCCATCCTGAATTT  
GGCAGGTTTTGGCTTCTGTTCTTTGACCGAACAGCTGCTGTATGGGAAGAAATAGTAGGAGAATCAA  
ATGATAAACTGCGAGGACAGAGCCACTGGGTTAAAAGGACAACCTGTTGGATAGCAGAACATCTGTTAC  
TGATGTGAAGTTTGTCTCCAAGCACATGGGTCTTATGTTAGCAACCTGTTCCGCAGATGGTATAGTAAGA  
ATCTATGAGGCACCAGATGTTATGAATCTCAGCCAGTGGTCTTTCGAGCATGAGATCTCATGTAAGCTAA  
GCTGTAGTTGATTTCTTGAACCTTCAAGCTCTCGTGCTCATTCCCCATGATCGCCGATGGAAGTGA  
TGACAGTAGCCCCAACGCAATGGCCAAGTTTCAGATTTTTGAATAAATGAAAACACCAGAAATATGCA  
AAAGCTGAAACTCTTATGACAGTCACTGATCCTGTTTCATGATATTGCATTGCTCCAAATTTGGGAAGAT  
CTTTCCATATTCTAGCAATAGCGACCAAAGATGTGAGAATTTTTACATTAAGCCTGTGAGGAAAGAACT  
GACTTCTCTGGTGGGCCAACAAAGTTTGAATCCATATAGTGGCTCAGTTCGATAATCATAATTCTCAG  
GTCTGGCAGTGAGTTGGAATATAACAGGAACGGTGTAGCATCTTCAGGAGATGATGGGTGTGTAAGAT  
TGTGAAAGCTAATTATATGGACAATTGGAAGTGTACTGGTATTTTGAAGGTAATGGGAGCCAGTCAA  
TGGGAGTTCTCAGCAGGGAACCTCAAATCCTTCCCTAGGTTCAACTATCCAAGTCTTCAGAATTCATTA  
AATGGATCTTCTGCTGGCAGGATTTCTTTACCCTCTGGATCCCCACGGGCTGGATCGAGATGGTCCA  
GTTATGCCAGCTCCTTCTCCTCCTCCTCCTCTGTTAGAGCACTTTGCGATGCTGACACTGCCAA  
CCTCCAGTATCCTCACCTCGCAGACGATATCTCTCGGCCCTTAATCCCTTACCTGAGAATGAAGGG  
ATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

## Protein Sequence:

>RC221329 representing NM\_001013437  
Red=Cloning site Green=Tags(s)

MFVARSLAADHKDLIHDVSDFHGRMATCSSDQSVKVVWDKSESGDWHCTASWKTHSGSVWRVTWAHPEF  
GQVLASCSFDRTAAVWEEIVGESNDKLRGQSHWVKRTTLVDSRTSVTDVKFAPKHMGLMLATCSADGIVR  
IYEAPDVMNLSQWSLQHEISCKLSCSISWNPSSRAHSPMIAVGSDDSSPNAMAKVQIFEYNENTRKYA  
KAETLMTVTDVVDIAFAPNLGRSFHILAIATKDVRIFTLKPVRKELTSSGGPTKFEIHIVAQFDNHNSQ  
VWRVSWNITGTVLASSGDDGCVRLWKANYMDNWKCTGILKNGSPVNGSSQQGTSNPSLSTIPSLQNSL  
NGSSAGRYFFTPLDSPRAGSRWSSYAQLLPPPPPLVEHSCDADTANLQYPHPRRRLSRPLNPLPENEG  
I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

## Chromatograms:

[https://cdn.origene.com/chromatograms/mk8058\\_g02.zip](https://cdn.origene.com/chromatograms/mk8058_g02.zip)

## Restriction Sites:

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001013437

**ORF Size:** 1263 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:**

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\\_001013437.2](#)

**RefSeq Size:** 1891 bp

**RefSeq ORF:** 1266 bp

**Locus ID:** 81929

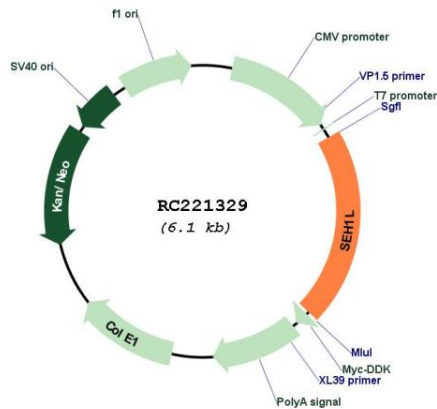
**UniProt ID:** [Q96EE3](#)

**Cytogenetics:** 18p11.21

**MW:** 46.4 kDa

**Gene Summary:** The protein encoded by this gene is part of a nuclear pore complex, Nup107-160. This protein contains WD repeats and shares 34% amino acid identity with yeast Seh1 and 30% identity with yeast Sec13. All constituents of the Nup107-160 complex, including this protein, specifically localize to kinetochores in mitosis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC221329