

Product datasheet for MR205515

Seh1l (NM_001039088) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Seh1l (NM_001039088) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Seh1l
Synonyms:	2610007A16Rik; AW540070; SEC13L; Seh1; SEH1A; SEH1B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205515 representing NM_001039088 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTTTGTGGCGCGCAGCATCGCGCGGACCACAAGGACCTCATCCACGATGTGTCTTTGACTTCCAGG
GGCGCCGGATGGCCACCTGCTCCAGCGATCAGAGCGTCAAGGTGTGGGATAAGAGCGAGAGCGGAGACTG
GCATTGTACAGCTAGCTGGAAGACACATAGTGGATCTGTATGGCGTGTGACGTGGGCTCATCCTGAATTT
GGACAAGTTTTGGCTTCTGTTCTTTGACCGAACAGCAGCTGTATGGGAAGAAATAGTGGGAGAATCAA
ACGATAAACTTCGAGGACAGAGTCACTGGGTGAAGAGGACAACCTAGTGGACAGCAGAACCTCTGTTAC
TGATGTGAAATTTGCTCCAAACATATGGGTCTGATGTTGGCCACCTGTTGAGCAGATGGTATAGTAAGG
GTCTACGAGGCTCCCGATGTGATGAACCTCAGCCAGTGGTCTCTGCAGCACGAGGTCTCGTGAAGCTGT
GCTGCAGCTGCATTTCTGGAACCTTCCAGCTCTCGTGCTCATCCCCCATGATCGCTGTGGGAAGTGA
TGATAGCAGTCCAAATCAATGGCCAAGGTTGAGATTTTTGAATACAATGAAAATACCAGGAAAATATGCG
AAAGCTGAGACTTTATGACAGTCACAGACCCCGTCCATGATATCGCGTTTGTCCAAATTTGGGAAGAT
CTTTCCACATCCTGGCAGTAGCAACCAAGATGTAAGAATTTTCATTAACCTCTGAGGAAAGAAT
TACTTCTCTGGTGGTCCAACAAAATTTGAAATCCATATTGTGGCTCAGTTTGATAATCATAATTCTCAG
GTCTGGAGGGTGAGTTGGAACATAACAGGGACAGTCCTGGCGTCTCAGGAGATGACGGCTGTGTTAGGT
TGTGAAAAGCTAATTACATGGACAATTGGAAGTGTACTGGTATTTTGAAGGTAACGGGAGCCAGTAAA
TGGGAGTTCTCAGCTGGGAAACTCAAATCCTTCACTGAGCTCAAATATTCCAAATCTTCAAATTCATTA
AATGGAATTTCTGCTAGCAGAAAGCACAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205515 representing NM_001039088
Red=Cloning site Green=Tags(s)

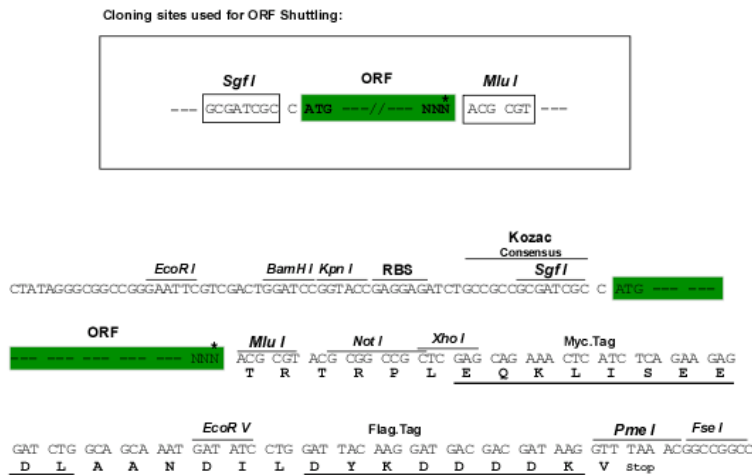
MFVARISIAADHKDLIHDVSFDFHGRRMATCSSDQSVKVVWDKSESGDWHCTASWKTHSGSVWRVTWAHPEF
 GQVLASCSFDRTAAVWEEIVGESNDKLRGQSHWVKRTTLVDSRTSVTDVKFAPKHMGLMLATCSADGIVR
 VYEAPDVMNLSQWLSLQHEVSKLCCSCISWNPSSSRAHPPMIAVGSDSSPNSMAKVQIFEYNENTRKYA
 KAETLMTVTDPVHDIAFAPNLGRSFHILAVATKDVRIFTLKLRLKELTSSGGPTKFEIHIVAQFDNHNSQ
 VWRVSWNITGTVLASSGDDGCVRLWKANYMDNWKCTGILKGNNGSPVNGSSQLGNSNPSSLSSNIPNLQNSL
 NGTSASRKHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9042_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001039088

ORF Size: 1080 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_001039088.1](#), [NP_001034177.1](#)

RefSeq Size: 3542 bp

RefSeq ORF: 1083 bp

Locus ID: 72124

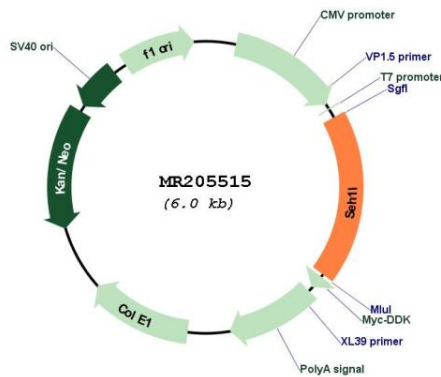
UniProt ID: [Q8R2U0](#)

Cytogenetics: 18 E1

MW: 40.2 kDa

Gene Summary: Component of the Nup107-160 subcomplex of the nuclear pore complex (NPC). The Nup107-160 subcomplex is required for the assembly of a functional NPC. The Nup107-160 subcomplex is also required for normal kinetochore microtubule attachment, mitotic progression and chromosome segregation. This subunit plays a role in recruitment of the Nup107-160 subcomplex to the kinetochore.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205515