

Product datasheet for **RC236472**

SEC13L1 (SEC13) (NM_001278946) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SEC13L1 (SEC13) (NM_001278946) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: SEC13
Synonyms: D3S1231E; npp-20; SEC13L1; SEC13R
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236472 representing NM_001278946
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTGTACAGTAATTAACACTGTGGATACCTCCCATGAGGACATGATTCACGACGCCAGATGGACTACT
ATGGCACCCGCTGGCAACCTGCTCATCAGACAGGTCCTGCAAAATCTTTGATGTGCGCAATGGAGGGCA
GATCCTTATCGCCGACCTCAGGGGTCTGAGGGTCTGTGTGGCAAGTGGCTGGGCTCACCCATGTAC
GGCAACATCCTGGCATCGTGCTCCTATGACCGAAAGTCATTATCTGGAGAGAGGAAAACGGCACCTGGG
AGAAGAGCCACGAGCATGCGGGACACGACTCCTCAGTGAAGTCCGGTGTGCTGGGCCCCCATGACTACGG
CCTGATCCTGGCCTGTGGGAGCTCGGATGGGGCCATCTCCCTGCTGACTTACACCGGGGAAGGCCAATGG
GAAGTAAAGAAGATCAACAACGCTCACACCGTGAGTCCATCCCCTGCCTTTCGTGCAAGTGAAGCGCCTG
CCTTGCCCGTGTCTGCTGCAGCCTCCCTAGAGGGTGGCACGGGAGGGTCCCCGCTGGACAGTGGGCCGG
GGAGTGGTCAGCTGACCAGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236472 representing NM_001278946
Red=Cloning site Green=Tags(s)

MVSVINTVDTSHEDMIHDAQMDYYGTRLATCSSDRSVKIFDVRNGGQIL IADLRGHEGPVWQVAWAHPMY
GNILASCSYDRKVIWREENGTEKWSHEHAGHDSVNSVCWAPHDYGLILACGSSDGAISLLTYTGEGQW
EVKKINNAHTVSPSPAFRAVRAPALPRVCCSLPRGWHGRVPAGQWAGEWSADQT

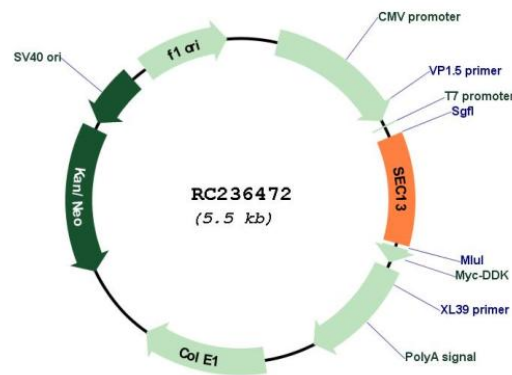
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001278946

ORF Size: 582 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_001278946.1](#), [NP_001265875.1](#)

RefSeq Size: 985 bp

RefSeq ORF: 585 bp

Locus ID: 6396

Cytogenetics: 3p25.3

MW: 21.9 kDa

Gene Summary: The protein encoded by this gene belongs to the SEC13 family of WD-repeat proteins. It is a constituent of the endoplasmic reticulum and the nuclear pore complex. It has similarity to the yeast SEC13 protein, which is required for vesicle biogenesis from endoplasmic reticulum during the transport of proteins. Multiple alternatively spliced transcript variants have been found. [provided by RefSeq, Oct 2008]