

Product datasheet for RC221632

SEC24C (NM_004922) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC24C (NM_004922) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SEC24C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221632 representing NM_004922 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGTCAACCAGTCAGTTCACCTGTGCCACCATTGGGCAGCCCCAGCCCATCTACCCAGGGTATC
ATCAGTCCAGCTATGGTGGGCAATCAGGGTCCACAGCCCCGCCATTCCCTATGGAGCCTACAATGGCCC
AGTACCAGGCTATCAGCAAACACCTCCCCAAGGTATGTCAAGAGCCCCACCTTCCTCGGGGGCACCTCCA
GCCTCAACAGCACAGGCTCCTTGTGGCCAGGCTGCATATGGCCAGTTTGGCCAAGGAGATGTACAGAATG
GGCAAGCTCCACTGTTCCAGATGCAAAGGCTGCCTGGTCTCAGTCATTGGGTCCCCATTGGCCCTGT
GGCAACCAGCCACCTGTGCTTCAGCCCTATGGCCCTCCCCGACAAGTGACAGGTGGCTACGCAGCTG
TCTGGAATGCAGATCAGCGGTGCTGTGGCCCCAGCCCTCCTTCTCAGGGCTGGGCTTTGGCCACCAA
CATCGCTGGCTTCAGCCTCAGGAAGTTCCCTAACTCTGGTCTGTATGGCTCCTATCCTCAGGGCCAGGC
TCCTCCCCTTAGCCAGGCCAAGGTATCCTGGGATCCAGACTCCCAGCGATCTGCCCCATCACAGGCC
TCCAGTTCACACCCCCAGCTTCAGGGGTCTCGGCTGCCTTCGATGACTGGTCCACTCCTGCCTGGAC
AGAGTTTTGGAGGGCCCTCAGTGAGCCAGCCCAACCATGTGTCTCACCTCCTCAAGCTCTGCCCTGG
CACCCAGATGACTGGGCCCTGGGACCACTGCCACCTATGCACTCCCCGAGCAGCCAGGCTATCAGCCC
CAACAAAATGGTTCCTTCGGACCAGCCCGGGCCCTCAGTCTAATTATGGAGGCCCTACCCAGCAGCAC
CCACCTTTGGCAGTCAGCCTGGGCTCCTCAGCCACTGCCTCCTAAGCGCTGGACCCTGATGCCATCCC
AAGCCCTATTCAGGTCATTGAAGATGACAGGAACAACCGGGTACAGAGCCATTTGTTACTGGAGTACGG
GGCCAGGTGCCACCCTTAGTCACTACCAACTTCCTGGTAAAAGACCAAGGGAATGCAAGTCCCCGATACA
TCCGATGTACATCCTATAATATCCCTTGACATCTGACATGGCTAAGCAGGCTCAGGTGCCCTGGCAGC
AGTCATCAAACCGCTGGCAAGGCTGCCCCAGAGGAGGCTTACCAGTATGTTGTGGACCATGGGGAATCT
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GTTTCCAGTGTGTTTTGCAGCTGTATCAATGATGTTCCCCCCCAGTATTTTCAGCACCTGGATCATA
CGGCAACGTGTGGATGCTTATGACCGCCCTGAGCTATCCCTGGGCTCTTATGAATTCTTGGCCACTGTA
GATTAAGTCAAGAACAATAAGTTCCCCAGCCCTCCTGCCTTATCTTCATGATTGACGTCTCTACAATG
CCATCAGGACTGGTCTTGTAGGCTCCTCTGTGAGGAGCTCAAGTCACTGTTAGACTTTCTACCTAGGGA



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GGGTGGGCAGAAGAGTCAGCAATCCGCGTTGGCTTTGTACCTACAATAAGGTGCTCCACTTCTATAAT
 GTGAAGAGCTCATTGGCCAGCCACAGATGATGGTTGTGTCTGATGTGGCTGACATGTTTGTCCACTGC
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 AACTGAAGAACAGAGATGACAGGAAGCTGATCAATACAGACAAGGAGAAGACTCTGTTCCAGCCTCAGC
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 AGCATGACGATCGGCTCAATGAAGAGAGCGGAGCTCTCTGCAGTGTGCCCTGCTTTACACCAGCTGTGC
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 TAGCCCCCTCTCTGCAGGACAGTTGATCCTTCTGAGTGCATGAAGCTACTCCCAGTTTACTGAACTGT
 GTGTTGAAGAGTGTCTCTGCAGCCTGGAGCTGAAGTCACTACTGATGACCGTGCCTATGTCCGACAGC
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 TCCCGTTGAGAGTACTACCGAACACCAGCAGTTCCGAGCCTCTGAAGAGCGTCTAAGCAATGGGGATATA
 TATTTACTGGAGAATGGGCTCAACCTCTTCTCTGGGTGGGAGCAAGCGTCCAACAGGGTGTGTCCAGA
 GCCTTTTCAGCGTCTCTCTCCTCAGTCAGATCACCAGTGGTTGAGTGTCTGCCAGTTCTGGATAATCC
 ACTGTCCAAGAAGGTTGAGGCTCATTGATAGCTTACGGGCACAGAGATCCCGGTACATGAAGTCTACC
 GTGGTGAACAGGAAGACAAGATGGAGATGCTGTTCAAGCACTTCTGGTGAAGACAAGAGTCTGAGTG
 GGGGAGCATCTTATGTGGACTTCTCTGTATATGCACAAGGAGATTCCGCAGCTACTGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221632 representing NM_004922
 Red=Cloning site Green=Tags(s)

MNVNQSVPPVPPFQPPQPIYPGYHQSSYGGQSGSTAPAIYPYAYNGPVPVGYQTPPQGMRSRAPPSSGAPP
 ASTAQAPCGQAAAYGQFGQGDVQNGPSSTVQMQLPQSQSFQSPLAPVGNQPPVLQPYGPPPTSAQVATQL
 SGMQISGAVAPAPPSSGLGFGPPTSLASASGSPNSGLYGSYPQQQAPPLSQAQGHPIQTPQRSAPSQA
 SSFTPPASGGPRLPSMTGPLLPGQSFQSPVSVQPNHVSPPQALPPGTQMTGPLGPLPPMHSPQQPGYQP
 QQNGSFGPARGPQSNYGGPYAAPTFFGSPGPPQPLPPKRLDPDAIPSPIQVIEDDRNRRGTEPFVTGVR
 GQVPLVTTNFLVKDQGNASPRYIRCTSYNIPCTSDMAKQAQVPLAAVIKPLARLPPEEASPYVVDHGES
 GPLRCNRCKAYMCPFMQFIEGRRFQCCFCSCINDVPPQYFQHL DHTGKRVDAYDRPEL SLGSYEFLATV
 DYCKNNKFPSPPAFIFMIDVSYNAIRTGLVRLCEELKSLLDLFPREGGAEESAIRVGFVYKVLHFYN
 YKSSLAQPQMMVSDVADMFVPLLDGFLVNVNESRAVITSLLDQIPEMFADTRETETVFVPIQAGMEAL
 KAAECAGKLFHTSLPIAEAPGKLNRRDRKLINTDKEKTLFQPQTGAYQTLAKECVAQGCCVDLFLFP
 NQYVDVATLSVVPQLTGGSVYKYASFQVENDQERFLSDLRRDVQKVVGFDAVMRVRTSTGIRAVDFFGAF
 YMSNTTDVELAGLDGDKTVTVEFKHDDLNEESGALLQCALLYTSACGQRRRIHNLALNCTQLADLYR
 NCETDTLINYMAKFAYRGLVNSPVKAVRDTLITQCAQILACYRKNCASPSAGQLILPECMKLLPVYVLC
 VLKSDVLQPGAELTDDRAYVRQLVTSMDVTETNVFFYPRLPLTKSPVESTTEPPAVRASEERLSNGDI
 YLLENLNLFLWVGASVQQGVVQSLFVSVSFSQITSGLSVLPVLDNPLSKKVRGLIDSLRAQRSRYMKLT
 VVKQEDKMEMLFKHFLVEDKSLSGGASYVDFLCHMHKEIRQLLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6680_a09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_004922

ORF Size: 3282 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_004922.4](#)

RefSeq Size: 4563 bp

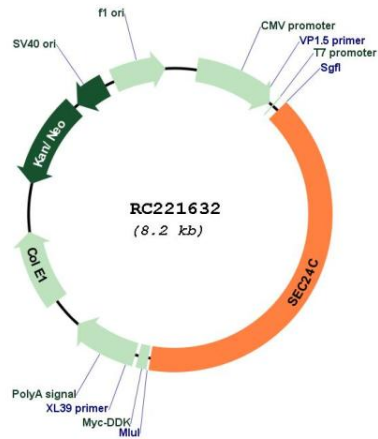
RefSeq ORF: 3285 bp

Locus ID: 9632

UniProt ID: [P53992](#)

Cytogenetics: 10q22.2
Domains: zf-Sec23_Sec24, Sec23_trunk, Sec23_helical, Gelsolin
MW: 118.3 kDa
Gene Summary: The protein encoded by this gene is a member of the SEC24 subfamily of the SEC23/SEC24 family, which is involved in vesicle trafficking. The encoded protein has similarity to yeast Sec24p component of COPII. COPII is the coat protein complex responsible for vesicle budding from the ER. The product of this gene may play a role in shaping the vesicle, as well as in cargo selection and concentration. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC221632