

Product datasheet for **SC337993**

SEC24B (NM_001300813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SEC24B (NM_001300813) Human Untagged Clone
Tag:	Tag Free
Symbol:	SEC24B
Synonyms:	SEC24
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001300813, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGCCCCCGCGGGTCTCTACCCGGCCGCCAGCGCCGGATCCCGCCCAAGTTCGGCGGAGCGG
CCGTCTCAGGAGCCGAGCGCCCGGGCCCGGGTGC GGCGCCGCCACCAGCAGAACGAGACGGG
ATTTACCATGTTGCCAAGCTAGTCTTGAACCTCGGACCAAGCAATCTGCCGCCTCGGCCTCCCAA
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GTGTGGTGATTACTACTGCTCTCTATACAGTACCAACACAAAATGTGACTCCTAACACAGTGAACGAG
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TATAGGAGGATTGAGTCTTCAGAGTTCTCCACAACCAGAAAGCCTGAGACCTGTAAACCTTACTCAGGAG
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 AAAGATGAGAGTCCTGCCAAAGCAGAATTTTTTCAGCATTTGATTGAAGACCGGACAGAGGCTGCATTTT
 CTTACTATGAATTTTGTCTCATGTTTCAGCAGCAGATTTGTAAGTGA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001300813

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001300813.2</u> , <u>NP_001287742.1</u>
RefSeq Size:	4846 bp
RefSeq ORF:	3897 bp
Locus ID:	10427
UniProt ID:	<u>O95487</u>
Cytogenetics:	4q25
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 is thought to be a cargo-binding component of the COPII vesicle, and is thought to be involved in the transport of secretory proteins from the endoplasmic reticulum to the Golgi apparatus. Mutations in this gene have been associated with neural tube defects, and are thought to be a result of a disruption in interactions with the protein encoded by the VANGL planar cell polarity protein 2 (VANGL2) gene. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015] Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (c).