

Recombinant Human SEC31B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SEC31B-1373H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SEC31B MS Standard C13 and N15-labeled recombinant protein (NP_056305) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein of unknown function. The protein has moderate similarity to rat VAP1 protein which is an endosomal membrane-associated protein, containing a putative Ca ²⁺ /calmodulin-dependent kinase II phosphorylation site.
Molecular Mass	129.1 kDa
AA Sequence	MKLKELERPAVQAWSPASQYPLYLATGTSAQQLDSSFSTNGTLEIFEVDFRDPSLDL KHRGVLSALSRFHKLWGSFGSGLLESSGVIVGGDNGMLILYNVTHILSSGKEPVI AQKQKHTGAVRALDLNPFQGNLLASGASDSEIFIWDLNNLNVPMTLGSKSQPPEDI KALSWNRQAQHILSSAHPSGKAVVWDLRKNEPIIKVSDHSNRMHCSGLAWHPDIAT QLVLCSEDDRLPVIQLWDLRFASSPLKVLESHSRGILSVSWSQADAELLTSAKDSQI LCRNLGSSEVVYKLPTQSSWCFDVQWCPRDPSVFSAASFNGWISLYSVMGRSWEV QHMRQADKISSFSKQQLPPLQVPEQVAQAPLIPPLKKPPKWIRRPTGVSFAGGK LVTFGLPSTPAHLVPQPCPRLVFISQVTTESEFLMRSAELQEALGSGNLLNYCQNKS QQALLQSEKMLWQFLKVTLEQDSRMKFLKLLGYSKDELQKKVATWLKSDVGLGESP QPKGNDLNSDRQQAFCSQASKHTTKEASASSAFFDELVPQNMTPWEIPITKDIDGLL

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SQALLLGELGPAVELCLKEERFADAIILAQAGGTDLLKQTQERYLAKKKTKISSLLACV
VQKNWKDVVCTCSLKNWREALALLLTYSGTEKFPELCDMLGTRMEQEGSRALTSE
ARLCYVCSGSVERLVECWAKCHQALSPMALQDLMEKVMVLNRSLEQLRGPHGVSP
GPATTYRVTQYANLLAAQGLATAMSFLPRDCAQPPVQQLRDRLFHAQGSAVLGQ
QSPFFPFPRIVVGATLHSKETSSYRLGSQPSHQVPTSPRPRVFTPQSSPAMPLAP
SHPSPYQGPRTQNISDYRAPGPQAIQPLPLSPGVRPASSQPQLLGGQRVQVNPV
GFPGTWPLPGSPLPMACPGIMRPGSTSLPETPRLFPLLPLRPLGPRMVSHTPAPP
ASFPVPYLPGDGPAPCSSVLPTTGILTPHPGPQDSWKEAPAPRGNLQRNKLPTETM
PPAPITAPVMSLTPELQGILPSQPPVSSVSHAPPGVPGELSLQLQHLPPEKMERKEL
PPEHQLSKSSFEALLQRCSLSATDLKTKRKLEEAQRLLEYLYEKLCEGTLSPHVAG
LHEVARCVDAGSFEQGLAVHAQVAGCSSFSEVSSFMPILKAVLIAHKLLVTRTRPLE
QKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SEC31B SEC31 homolog B, COPII coat complex component [Homo sapiens (human)]

Official Symbol SEC31B

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Synonyms	SEC31B; SEC31 homolog B (<i>S. cerevisiae</i>); SEC31 like 2 (<i>S. cerevisiae</i>), SEC31L2; protein transport protein Sec31B; DKFZP434M183; SEC31B 1; SEC31-like 2; SEC31-like protein 2; SEC31-related protein B; secretory pathway component Sec31B-1; SEC31L2; SEC31B-1; DKFZp434M183;
Gene ID	25956
mRNA Refseq	NM_015490
Protein Refseq	NP_056305
MIM	610258
UniProt ID	Q9NQW1
SDS-PAGE	