

# COP9 signalosome complex subunit 6b (CSN6B), Recombinant Protein

Cat RP05473

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
Species Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana COP9 signalosome complex subunit 6b (CSN6B)

## Product Gene Name

CSN6B recombinant protein

## Product Synonym Gene Name

CSN6B

## Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

## Sequence

MAPSSSSGLT FKLHPLVMLN ISDHFTRVKT QLNPPAASCA TGNGSNNADA MLLQNPRVYG CVIGLQRGRT  
VEIFNSFELI FDPALDTLDR SFLEKKQELY KKVFPDFYVL GWYSTGSDAT ESDMHIHKAL MDINESPVYV  
LLNPAINHAQ KDLPTIYES EFHVIDGIPQ SIFVHTSYTI ETVEAERISV DHVAHLKPSD GGSAAATQLAA  
HLTGIHSAIK MLNSRIRVLY QHIVAMQKGD KPCENSVLRQ VSSLLRSLPA AESEKFNENF LMEYNDKLLM  
SYLAMITNCT SNMNEVVDKF NTAYDKHSRR GGRTAFM

## Sequence Positions

1-317, Full length protein

## Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

35,404 Da

## Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

## Protein Family

COP9 signalosome complex

## NCBI Accession #

NP\_567746.1

## NCBI GI #

18416749

## NCBI GenBank Nucleotide #

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)  
**NCBI GeneID**  
NM\_118778.3  
828749

## NCBI Official Full Name

COP9 signalosome subunit 6B

## NCBI Official Symbol

CSN6B

## NCBI Official Synonym Symbols

COP9 signalosome subunit 6B; M3E9.140; M3E9\_140

## NCBI Protein Information

COP9 signalosome subunit 6B

## NCBI Summary

one of two genes encoding subunit 6 of COP9 signalosome complex

## UniProt Gene Name

CSN6B

## UniProt Synonym Gene Names

Signalosome subunit 6b

## UniProt Protein Name

COP9 signalosome complex subunit 6b

## UniProt Primary Accession #

Q8W1P0

## UniProt Secondary Accession #

O65591; Q8RXW5; Q8W205

## UniProt Related Accession #

Q8W1P0

## UniProt Comments

Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes such as photomorphogenesis and auxin and jasmonate responses. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF. It is involved in repression of photomorphogenesis in darkness by regulating the activity of COP1-containing Ubl ligase complexes. The complex is also required for degradation of PSIAA6 by regulating the activity of the Ubl ligase SCF-TIR complex. Essential for the structural integrity of the CSN holocomplex (PubMed:17307927).

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