

# COBRA-like protein 4 (COBL4), Recombinant Protein

Cat *RP05143*

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 COBRA-like protein 4 (COBL4)

## Product Gene Name

COBL4 recombinant protein

## Product Synonym Gene Name

COBL4

## Purity

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

## Sequence

YDPLDPSGNI TIKWDIMSWT ADGYVATVTM NNFQIYRHIQ NPGWTLGWTW AKKEVIWSMV GAQTTEQGDC  
SKFKGNVPHC CKKTPTVVDL LPGVPYNQQF SNCKKGGVIG AWGQDPSAAV SQFQVSAGLA GTTNKTVKLP  
KNFTLLGPGP GYTCTGPAKIV PSTVFLTTDK RRKTQALMTW NVTCTYSQFL ARKHPSCCVS FSSFYNDTIT  
PCPSCACGCE NKKSCVKADS KILTKKGLNT PKKDNTPLLQ CTHHMCPVRV HWHVKTNYKD YWRVKIAITN  
FNYRMNHTLW TLAIQHPNLN NVTQVFSFDY KPVSPYGSIN DTGMFYGTKF YNDLLMEAGP SGNVQSEVLL  
QKDQKTFTFK QGWAFPRKVV FNGDECMLPP PDSYPFLPNS AQGN

## Sequence Positions

21-414, 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

48,515 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

COBRA-like protein

## NCBI Accession #

NP\_001331538.1

## NCBI GI #

1063732087

## NCBI GenBank Nucleotide #

NM\_001343412.1

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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Cat      *RP05143*

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)

## NCBI GeneID

831417

## NCBI Official Full Name

COBRA-like extracellular glycosyl-phosphatidyl inositol-anchored protein family

## NCBI Official Symbol

IRX6

## NCBI Official Synonym Symbols

COBL4; COBRA-LIKE4; F14F8.10; F14F8\_10; IRREGULAR XYLEM 6

## NCBI Protein Information

COBRA-like extracellular glycosyl-phosphatidyl inositol-anchored protein family

## NCBI Summary

Encodes a member of the COBRA family, similar to phytochelatin synthetase. Involved in secondary cell wall biosynthesis. Mutants make smaller plants with reduced levels of cellulose and cell wall sugars.

## UniProt Gene Name

COBL4

## UniProt Protein Name

COBRA-like protein 4

## UniProt Primary Accession #

Q9LFW3

## UniProt Secondary Accession #

Q6ICX3

## UniProt Related Accession #

Q9LFW3

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