



# Glycine-rich protein 2b (GRP2B), Recombinant Protein

Cat RP05099

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

glycine-rich protein 2B

**NCBI Official Symbol**  
GRP2B

## NCBI Official Synonym Symbols

ATCSP4; ATGRP2B; COLD SHOCK DOMAIN PROTEIN 4; F26H11.18; F26H11\_18; glycine-rich protein 2B; GLYCINE-RICH PROTEIN 2B

## NCBI Protein Information

glycine-rich protein 2B

## NCBI Summary

Glycine-rich protein (AtGRP2b). Also named as CSP4 (cold shock domain protein 4) containing a well conserved cold shock domain (CSD) and glycine-rich motifs interspersed by two retroviral-like CCHC zinc fingers. AtCSP4 is expressed in all tissues but accumulates in reproductive tissues and those undergoing cell divisions.

Overexpression of AtCSP4 reduces silique length and induces embryo lethality.

## UniProt Gene Name

CSP4

## UniProt Synonym Gene Names

GRP2B; AtCSP4; AtGRP2b

## UniProt Protein Name

Cold shock domain-containing protein 4

## UniProt Synonym Protein Names

Glycine-rich protein 2b; AtGRP2b

## UniProt Primary Accession #

Q38896

## UniProt Secondary Accession #

Q5BIT2

## UniProt Related Accession #

Q38896

## UniProt Comments

Chaperone that binds to and unwinds RNA and both single-stranded DNA and double-stranded DNA (ssDNA and dsDNA DNA) . Regulates the flowering transition and flower and seed development, particularly at late stages of embryo development, through regulation of gene expression (including MEA, FIS2, AP1, CAL, AG and SHP2).

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