

Mediator of RNA polymerase II transcription subunit 13 homolog (GCT), Recombinant Protein

Cat *RP00361*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Mediator of RNA polymerase II transcription subunit 13 homolog (GCT) , partial

Product Gene Name

GCT recombinant protein

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

217,269 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.

NCBI Accession

NP_001185237.1

NCBI GI

334183337

NCBI GenBank Nucleotide

NM_001198308.1

NCBI GeneID

841978

NCBI Official Full Name

RNA polymerase II transcription mediator

NCBI Official Symbol

GCT

NCBI Official Synonym Symbols

CCT; CENTER CITY; GRAND CENTRAL; MAB2; MACCHI-BOU 2

NCBI Protein Information

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Mediator of RNA polymerase II transcription subunit 13 homolog (GCT), Recombinant Protein

Cat *RP00361*

RNA polymerase II transcription mediator

NCBI Summary

Encodes the Arabidopsis homolog of the transcriptional regulator MED13, is dynamically expressed during embryogenesis and regulates both developmental timing and the radial pattern formation.

UniProt Gene Name

MED13

UniProt Synonym Gene Names

GCT; MAB2; MED13_1

UniProt Protein Name

Mediator of RNA polymerase II transcription subunit 13

UniProt Synonym Protein Names

Protein GRAND CENTRAL; Protein MACCHI-BOU 2

UniProt Primary Accession

F4I096

UniProt Secondary Accession

Q9C8A3; F4I095

UniProt Related Accession

F4I096

UniProt Comments

Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. The Mediator complex, having a compact conformation in its free form, is recruited to promoters by direct interactions with regulatory proteins and serves for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. Acts closely together with MAB12. Involved in the regulation of embryo patterning and cotyledon organogenesis. May act through transient repression of specific genes such as the ones responsive to auxin.

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