

Cytochrome P450 72C1 (CYP72C1), Recombinant Protein

Cat *RP08613*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Cytochrome P450 72C1 (CYP72C1) , partial

Product Gene Name

CYP72C1 recombinant protein

Product Synonym Gene Name

CYP72C1

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

59,594 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

Cytochrome

NCBI Accession

Q9SHG5.2

NCBI GI

342162524

NCBI Official Full Name

Cytochrome P450 72C1

UniProt Gene Name

CYP72C1

UniProt Synonym Gene Names

CHI2; DLF; SHK1; SOB7

UniProt Protein Name

Cytochrome P450 72C1

UniProt Synonym Protein Names

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Protein CHIBI 2; Protein DWARFISH WITH LOW FERTILITY; Protein SHRINK 1; Protein SUPPRESSOR OF PHYB-4 PROTEIN 7

UniProt Primary Accession

Q9SHG5

UniProt Comments

Atypical cytochrome P450 involved in brassinosteroids (BRs) inactivation and regulation of BRs homeostasis. Does not possess carbon 26 hydroxylase activity and may inactivate BRs by hydroxylation of carbons other than C-26. Acts in association with CYP734A1 to inactivate BRs and modulate photomorphogenesis.

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