

Pentatricopeptide repeat-containing protein At5g67570, chloroplastic (DG1), Recombinant Protein

Cat RP00521

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Pentatricopeptide repeat-containing protein At5g67570, chloroplastic (DG1), partial

Product Gene Name

DG1 recombinant protein

Product Synonym Gene Name

DG1

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

92,059 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

Pentatricopeptide repeat-containing protein

NCBI Accession

NP_201558.3

NCBI GI

334188692

NCBI GenBank Nucleotide

NM_126157.4

NCBI GeneID

836893

NCBI Official Full Name

Tetratricopeptide repeat (TPR)-like superfamily protein

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Pentatricopeptide repeat-containing protein At5g67570, chloroplastic (DG1), Recombinant Protein

Cat *RP00521*

NCBI Official Symbol

DG1

NCBI Official Synonym Symbols

DELAYED GREENING 1; EMB1408; EMB246; embryo defective 1408; EMBRYO DEFECTIVE 246; K9I9.14; K9I9_14

NCBI Protein Information

Tetratricopeptide repeat (TPR)-like superfamily protein

NCBI Summary

Encodes a pentatricopeptide repeat containing protein that is targeted to the chloroplast. Mutants have pale young leaves and reduced accumulation of plastid encoded transcripts suggesting a role for DG1 in regulation of plastid gene expression.

UniProt Gene Name

DG1

UniProt Synonym Gene Names

EMB1408

UniProt Protein Name

Pentatricopeptide repeat-containing protein At5g67570, chloroplastic

UniProt Synonym Protein Names

Protein DELAYED GREENING 1; Protein EMBRYO DEFECTIVE 1408

UniProt Primary Accession

Q9FJW6

UniProt Secondary Accession

Q56WD0

UniProt Related Accession

Q9FJW6

UniProt Comments

Involved in the regulation of early chloroplast development and chloroplast gene expression in a SIGF-dependent manner.

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