

Digalactosyldiacylglycerol synthase 1, chloroplastic (DGD1), Recombinant Protein

Cat *RP18489*

Species

Glycine max (Soybean) (*Glycine hispida*)

Full Product Name

Recombinant Glycine max Digalactosyldiacylglycerol synthase 1, chloroplastic (DGD1)

Product Synonym Names

Digalactosyldiacylglycerol synthase 1, chloroplastic; EC=2.4.1.241

Product Gene Name

DGD1 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

89,341 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

Digalactosyldiacylglycerol synthase

NCBI Accession

NP_001238170.1

NCBI GI

351727022

NCBI GenBank Nucleotide

NM_001251241.1

NCBI GeneID

548059

NCBI Official Full Name

digalactosyldiacylglycerol synthase 1, chloroplastic

NCBI Official Symbol

DGD1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Digalactosyldiacylglycerol synthase 1, chloroplastic (DGD1), Recombinant Protein

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NCBI Protein Information

digalactosyldiacylglycerol synthase 1, chloroplastic

UniProt Gene Name

DGD1

UniProt Protein Name

Digalactosyldiacylglycerol synthase 1, chloroplastic

UniProt Entry Name

DGDG1_SOYBN

UniProt Primary Accession

Q6DW76

UniProt Related Accession

Q6DW76

UniProt Comments

Involved in the synthesis of diacylglycerol galactolipids that are specifically found in thylakoid membranes. Specific for alpha-glycosidic linkages.

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