

Omega-3 fatty acid desaturase, chloroplastic (FAD7), Recombinant Protein

Cat *RP18510*

Species

Glycine max (Soybean) (Glycine hispida)

Full Product Name

Recombinant Glycine max Omega-3 fatty acid desaturase, chloroplastic (FAD7), partial

Product Gene Name

FAD7 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

51,362 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

Omega-3 fatty acid desaturase

NCBI Accession

P48621.1

NCBI GI

1345971

NCBI Official Full Name

Omega-3 fatty acid desaturase, chloroplastic

UniProt Gene Name

FAD7

UniProt Protein Name

Omega-3 fatty acid desaturase, chloroplastic

UniProt Primary Accession

P48621

UniProt Comments

Chloroplast omega-3 fatty acid desaturase introduces the third double bond in the biosynthesis of 16:3 and 18:3

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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fatty acids, important constituents of plant membranes. It is thought to use ferredoxin as an electron donor and to act on fatty acids esterified to galactolipids, sulfolipids and phosphatidylglycerol.

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