

Translation factor GUF1 homolog, chloroplastic (Os02g0157700, LOC_Os02g06300), Recombinant Protein

Cat *RP14351*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Translation factor GUF1 homolog, chloroplastic (Os02g0157700, LOC_Os02g06300), partial

Product Gene Name

Os02g0157700 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

74,948 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

Translation factor

NCBI Accession

B9F2U5.1

NCBI GI

317411664

NCBI Official Full Name

Translation factor GUF1 homolog, chloroplastic

UniProt Gene Name

Os02g0157700

UniProt Synonym Gene Names

EF-4

UniProt Protein Name

Translation factor GUF1 homolog, chloroplastic

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Translation factor GUF1 homolog, chloroplastic (Os02g0157700, LOC_Os02g06300), Recombinant Protein

Cat *RP14351*

UniProt Synonym Protein Names

Elongation factor 4 homolog

UniProt Primary Accession

B9F2U5

UniProt Secondary Accession

Q6ET52

UniProt Comments

Promotes chloroplast protein synthesis. May act as a fidelity factor of the translation reaction, by catalyzing a one-codon backward translocation of tRNAs on improperly translocated ribosomes.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY