

Translation factor GUF1 homolog, mitochondrial (Os06g0144800, LOC_Os06g05250), Recombinant Protein

Cat *RP14282*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Translation factor GUF1 homolog, mitochondrial (Os06g0144800, LOC_Os06g05250), partial

Product Gene Name

Os06g0144800 recombinant protein

Product Synonym Gene Name

Os06g0144800; LOC_Os06g05250

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

72,843 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.

NCBI Accession

XP_015644281.1

NCBI GI

1002279926

NCBI GenBank Nucleotide

XM_015788795.1

NCBI GeneID

4340102

NCBI Official Full Name

translation factor GUF1 homolog, mitochondrial

NCBI Official Symbol

LOC4340102

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Translation factor GUF1 homolog, mitochondrial (Os06g0144800, LOC_Os06g05250), Recombinant Protein

Cat *RP14282*

NCBI Official Synonym Symbols

EF-4; OsJ_20104

NCBI Protein Information

translation factor GUF1 homolog, mitochondrial

UniProt Gene Name

Os06g0144800

UniProt Synonym Gene Names

EF-4

UniProt Protein Name

Translation factor GUF1 homolog, mitochondrial

UniProt Synonym Protein Names

Elongation factor 4 homolog

UniProt Primary Accession

Q5VQ69

UniProt Secondary Accession

A0A0P0WSB7

UniProt Related Accession

Q5VQ69

UniProt Comments

Promotes mitochondrial 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. Binds to mitochondrial ribosomes in a GTP-dependent manner.

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