

Alternative oxidase 3, mitochondrial (AOX3), Recombinant Protein

Cat *RP18481*

Size *1 mg (E-Coli)/1 mg (Yeast)*

Species

Glycine max (Soybean) (Glycine hispida)

Full Product Name

Recombinant Glycine max Alternative oxidase 3, mitochondrial (AOX3), partial

Product Gene Name

AOX3 recombinant protein

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

AMMLETIAAV PGMVGGMLLH L

Sequence Positions

151-171

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

37,057 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

Aldehyde oxidase

NCBI Accession

NP_001238460.1

NCBI GI

351728013

NCBI GenBank Nucleotide

NM_001251531.1

NCBI GeneID

548077

NCBI Official Full Name

alternative oxidase 3, mitochondrial

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size *1 mg (E-Coli)/1 mg (Yeast)*

NCBI Official Symbol

AOX3

NCBI Official Synonym Symbols

Aox2b

NCBI Protein Information

alternative oxidase 3, mitochondrial

UniProt Gene Name

AOX3

UniProt Protein Name

Alternative oxidase 3, mitochondrial

UniProt Primary Accession

O03376

UniProt Related Accession

O03376

UniProt Comments

Catalyzes the cyanide-resistant oxidation of ubiquinol and the reduction of molecular oxygen to water, but does not translocate protons and consequently is not linked to oxidative phosphorylation. May increase respiration when the cytochrome respiratory pathway is restricted, or in response to low temperatures.

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