

Transmembrane ascorbate ferrireductase 1 (CYB561A), Recombinant Protein

Cat *RP08629*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Transmembrane ascorbate ferrireductase 1 (CYB561A), partial

Product Gene Name

CYB561A recombinant protein

Product Synonym Gene Name

CYB561A

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

25,865 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

Transmembrane ascorbate ferrireductase

NCBI Accession

NP_001328918.1

NCBI GI

1063724914

NCBI GenBank Nucleotide

NM_001341751.1

NCBI GeneID

828662

NCBI Official Full Name

Cytochrome b561/ferric reductase transmembrane protein family

NCBI Official Symbol

ACYB-2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Transmembrane ascorbate ferrireductase 1 (CYB561A), Recombinant Protein

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NCBI Official Synonym Symbols

M7J2.60; M7J2_60

NCBI Protein Information

Cytochrome b561/ferric reductase transmembrane protein family

NCBI Summary

Encodes cytochrome b561.

UniProt Gene Name

CYB561A

UniProt Synonym Gene Names

ACYB-2; CYB561B1; CYBASC1; Artb561-1; AtCytb561; TCytb

UniProt Protein Name

Transmembrane ascorbate ferrireductase 1

UniProt Synonym Protein Names

Cytochrome b561; Artb561-1; AtCytb561; Protein b561A.tha5; Tonoplast Cyt-b561; TCytb

UniProt Primary Accession

Q8L856

UniProt Secondary Accession

O65605; Q8LE60; Q9CAZ1; Q9M0K3

UniProt Related Accession

Q8L856

UniProt Comments

Two-heme-containing cytochrome. Catalyzes ascorbate-dependent trans-membrane ferric-chelate reduction. Able to use dihydrolipoic acid (DHLLA) as an alternative substrate to ascorbate.

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