

# Probable transmembrane ascorbate ferrireductase 2 (CYB561B), Recombinant Protein

Cat *RP08657*

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## Species

*Arabidopsis thaliana* (Mouse-ear cress)

## Full Product Name

Recombinant *Arabidopsis thaliana* Probable transmembrane ascorbate ferrireductase 2 (CYB561B), partial

## Product Gene Name

CYB561B recombinant protein

## Product Synonym Gene Name

CYB561B

## 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

25,289 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

Probable transmembrane ascorbate ferrireductase

## NCBI Accession #

NP\_198679.1

## NCBI GI #

15240965

## NCBI GenBank Nucleotide #

NM\_123224.3

## NCBI GeneID

833853

## NCBI Official Full Name

cytochrome B561-1

## NCBI Official Symbol

CYB-1

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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## NCBI Official Synonym Symbols

ACYB-1; cytochrome B561-1; MBB18.18; MBB18\_18

## NCBI Protein Information

cytochrome B561-1

## NCBI Summary

Encodes for cytochrome b561.

## UniProt Gene Name

CYB561B

## UniProt Synonym Gene Names

ACYB-1; CYB-1; CYB561B2; CYBASC2; CYTB561; Artb561-2; AtCytb561

## UniProt Protein Name

Probable transmembrane ascorbate ferrireductase 2

## UniProt Synonym Protein Names

Cytochrome b561-1; Artb561-2; AtCytb561; Protein b561A.tha4

## UniProt Primary Accession #

Q9SWS1

## UniProt Secondary Accession #

Q42137

## UniProt Comments

Two-heme-containing cytochrome. Catalyzes ascorbate-dependent trans-membrane ferric-chelate reduction .

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