

Peptidyl-prolyl cis-trans isomerase-like 2 (PUB49), Recombinant Protein

Cat RP05147

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Peptidyl-prolyl cis-trans isomerase-like 2 (PUB49) , partial

Product Gene Name

PUB49 recombinant protein

Product Synonym Gene Name

PUB49

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

65,023 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

NP_201554.1

NCBI GI

15240768

NCBI GenBank Nucleotide

NM_126153.4

NCBI GenID

836889

NCBI Official Full Name

plant U-box 49

NCBI Official Symbol

PUB49

NCBI Official Synonym Symbols

ATPUB49; K9I9.9; K9I9_9; plant U-box 49; PLANT U-BOX 49

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Protein Information

plant U-box 49

UniProt Gene Name

CYP65

UniProt Synonym Gene Names

PUB49; AtCYP65; PPIase CYP65

UniProt Protein Name

Peptidyl-prolyl cis-trans isomerase CYP65

UniProt Synonym Protein Names

Cyclophilin-65; Peptidyl-prolyl cis-trans isomerase-like 2; Plant U-box protein 49; RING-type E3 ubiquitin transferase isomerase-like 2Curated; Rotamase; U-box domain-containing protein 49

UniProt Primary Accession

Q9FJX0

UniProt Secondary Accession

Q8W4J7

UniProt Related Accession

Q9FJX0

UniProt Comments

May catalyze the cis-trans isomerization of proline imidic peptide bonds in oligopeptides thereby assisting the folding of proteins. May also function as a chaperone, playing a role in intracellular transport of proteins. May also have a protein ubiquitin ligase activity acting as an E3 ubiquitin protein ligase or as a ubiquitin-ubiquitin ligase promoting elongation of ubiquitin chains on proteins.

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