

Protein disulfide-isomerase 5-3 (PDIL5-3), Recombinant Protein

Cat *RP08651*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Protein disulfide-isomerase 5-3 (PDIL5-3) , partial

Product Gene Name

PDIL5-3 recombinant protein

Product Synonym Gene Name

PDIL5-3

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

53,996 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

Protein disulfide isomerase

NCBI Accession

NP_566664.1

NCBI GI

18402672

NCBI GenBank Nucleotide

NM_112948.3

NCBI GeneID

821603

NCBI Official Full Name

PDI-like 5-3

NCBI Official Symbol

PDIL5-3

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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ARABIDOPSIS THALIANA PROTEIN DISULFIDE ISOMERASE 12; ATPDI12; ATPDIL5-3; PDI-like 5-3; PDI12; PROTEIN DISULFIDE ISOMERASE 12

NCBI Protein Information

PDI-like 5-3

NCBI Summary

Encodes a protein disulfide isomerase-like (PDIL) protein, a member of a multigene family within the thioredoxin (TRX) superfamily. Unlike several other PDI family members, transcript levels for this gene are not up-regulated in response to three different chemical inducers of ER stress (dithiothreitol, beta-mercaptoethanol, and tunicamycin).

UniProt Gene Name

PDIL5-3

UniProt Synonym Gene Names

PDI12; PDIL8-1; AtPDIL5-3; PDI12; AtPDIL8-1

UniProt Protein Name

Protein disulfide-isomerase 5-3

UniProt Synonym Protein Names

Protein disulfide-isomerase 12; PDI12; Protein disulfide-isomerase 8-1; AtPDIL8-1

UniProt Primary Accession

Q9LJU2

UniProt Related Accession

Q9LJU2

UniProt Comments

Acts as a protein-folding catalyst that interacts with nascent polypeptides to catalyze the formation, isomerization, and reduction or oxidation of disulfide bonds.

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