

Protein disulfide isomerase-like 5-2 (PDIL5-2), Recombinant Protein

Cat *RP13672*

Size 0.02 mg/ 0.1 mg/ 5x0.1 mg

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Protein disulfide isomerase-like 5-2 (PDIL5-2)

Product Gene Name

PDIL5-2 recombinant protein

Product Synonym Gene Name

PDIL7-1

Purity

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

Sequence

EEFPRDGRVI ELDESSFEAA LGAI DYLFVD FYAPWCGHCK RLAPELDEAA PVLAGLSEPI IVAKVNADKY
RKLGSKYGVD GFPTLMLFIH GVPIEYTGSR KADLLVRNLN KVVAPDVSIL ESDSAIKSFV ENAGTSFPMF
IGFGVNESLI AGYGGKYKKR AWFVAKDFS EDFMVTYDFD KVPALVSLHP KYKEQSVFYG PFEGSFLEDF
IRQSLLPLTV PINTETLKML DDDDRKVVLA ILEDDSDETS SQLVKVLRSA ANANRDLVFG YVGKQWDEF
VETFDISKSS QLPKLIVWDR NEEYEVVEGS EKLEEGDQAS QISQFLEGYR AGRTTKKKVS GPSFMGFLNS
LVSLNSLYIL ICVFALLGVM IYFTGQDDTP QVRR AHEE

Sequence Positions

36-423aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

47,056 Da

Storage

Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Protein Family

Protein disulfide isomerase

NCBI Accession

XP_015637134.1

NCBI GI

1002265604

NCBI GenBank Nucleotide

XM_015781648.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Size *0.02 mg/ 0.1 mg/ 5x0.1 mg*

NCBI GeneID

4335881

NCBI Official Full Name

protein disulfide isomerase-like 5-2

NCBI Official Symbol

LOC4335881

NCBI Official Synonym Symbols

PDIL5-2; PDIL7-1; OsPDIL5-2; OsPDIL7-1

NCBI Protein Information

protein disulfide isomerase-like 5-2; LOC_Os04g35290; OSJNBa0084A10.17; Os04g0432500; Protein disulfide isomerase-like 7-1

UniProt Gene Name

PDIL5-2

UniProt Synonym Gene Names

PDIL7-1; OsPDIL5-2; OsPDIL7-1

UniProt Protein Name

Protein disulfide isomerase-like 5-2

UniProt Synonym Protein Names

Protein disulfide isomerase-like 7-1; OsPDIL7-1

UniProt Entry Name

PDI52_ORYSJ

UniProt Primary Accession

Q0JD42

UniProt Secondary Accession

Q7XQN8; A0A0P0WAQ8

UniProt Related Accession

Q0JD42

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. May play a role in storage protein biogenesis .

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