

Protein disulfide isomerase-like 2-2 (PDIL2-2), Recombinant Protein

Cat *RP13674*

Size 0.02 mg (*E-Coli*)/ 0.02 mg (*Yeast*)/ 0.1 mg (*E-Coli*)/ 0.1 mg (*Yeast*)/ 0.02 mg (*Baculovirus*)/ 0.02 mg (*Mammalian-Cell*)/ 0.1

mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 1 mg (*Yeast*)/ 0.1 mg (*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)
Species
Oryza sativa subsp. *japonica* (*Rice*)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Protein disulfide isomerase-like 2-2 (PDIL2-2)

Product Gene Name

PDIL2-2 recombinant protein

Product Synonym Gene Name

PDIL2-2

Purity

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

Sequence

APAFADGDDV VALTESTFEK EVGQDRGALV EFYAPWCGHC KKLAPYEYEL GASFKKAKSV FIAKVDCDEH
KSVCSKYGVS GYPTIQWFPK GSLEPKKYEG QRSAEALAEF VNTEGGTNVK LATIPSSVVV LGPDNFDSIV
LDENKDILVE FYAPWCGHCK HLAPIYEKLA SVYKLDDGVV IANLDADKHK DLAKEYGVSG YPTLKFFPKG
NKAGEDYDGG RELDDFVKFI NEKCGTSRDT KGQLTSEAGR IASLDALAKE FLGAANDKPK EILSNMEEEV
VKLSGSAKH GKVIYIAIAK ILDKGHDYK KETERLERML EKSISPSKAD EFKKKNVLS TFSS

Sequence Positions

28-371, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or *Yeast* or *Baculovirus* or *Mammalian Cell*

Molecular Weight

40,741 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

XP_015622515.1

NCBI GI

1002236654

NCBI GenBank Nucleotide

XM_015767029.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)

NCBI GeneID

4326806

NCBI Official Full Name

protein disulfide isomerase-like 2-2

NCBI Official Symbol

LOC4326806

NCBI Official Synonym Symbols

PDIL2-2; PDIL4-2; OsJ_01619; OsPDIL2-2; OsPDIL4-2

NCBI Protein Information

protein disulfide isomerase-like 2-2

UniProt Gene Name

PDIL2-2

UniProt Synonym Gene Names

PDIL4-2; OsPDIL2-2; OsPDIL4-2

UniProt Protein Name

Protein disulfide isomerase-like 2-2

UniProt Synonym Protein Names

Protein disulfide isomerase-like 4-2; OsPDIL4-2

UniProt Primary Accession

Q942L2

UniProt Secondary Accession

A0A0P0V205

UniProt Related Accession

Q942L2

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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