

Peptidyl-prolyl cis-trans isomerase CYP37, chloroplastic (CYP37), Recombinant Protein

Cat *RP04616*

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 *Arabidopsis thaliana* (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Peptidyl-prolyl cis-trans isomerase CYP37, chloroplastic (CYP37)

Product Gene Name

CYP37 recombinant protein

Purity

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

Sequence

VLYSPDTKVP RTGELALRRA IPANPSMKII QASLEDISYL LRIPQRKPYG TMESNVKKAL KVAIDDKDKI
LASIPVDLKD KGSELYTTLI DGKGGLQALI TSIKKQDPDK VSLGLAASLD TVADLELLQA SGLSFLLPQQ
YLNYPRLAGR GTVEITIEKA DGSTFSAEAG GDQRKSATVQ IVIDGYSAPL TAGNFAKLVT SGAYDGAKLN
TVNQAVITED GSGKVESVSV PLEVMPGSGQF EPLYRTPLSV QDGELPVLPL SVYGAVAMAH SENSEEYSSP
YQFFFFLYDK RNSGLGGLSF DEGQFSVFGY TIAGKDILGQ IKTGDIKSA KLIEGQDRLS LPVQNNNINE ST

Sequence Positions

115-466, 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

50,483 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

Peptidyl-prolyl cis-trans isomerase

NCBI Accession

NP_001326694.1

NCBI GI

1063711722

NCBI GenBank Nucleotide

NM_001338175.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

820791 mg (*Baculovirus*)/ 1 mg (*E-Coli*)/ 1 mg (*Yeast*)/ 0.1 mg

(*Mammalian-Cell*)/ 1 mg (*Baculovirus*)/ 0.5 mg (*Mammalian-Cell*)

Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein

NCBI Official Symbol

AT3G15520

NCBI Protein Information

Cyclophilin-like peptidyl-prolyl cis-trans isomerase family protein

UniProt Gene Name

CYP37

UniProt Synonym Gene Names

PPlase CYP37; TLP38; p38

UniProt Protein Name

Peptidyl-prolyl cis-trans isomerase CYP37, chloroplastic

UniProt Synonym Protein Names

Rotamase CYP37; Thylakoid lumen PPlase of 38 kDa; TLP38; p38

UniProt Primary Accession

P82869

UniProt Secondary Accession

Q1JPN6; Q9LDZ3

UniProt Related Accession

P82869

UniProt Comments

PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides .

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