

Peptidyl-prolyl cis-trans isomerase CYP18-4 (CYP18-4), Recombinant Protein

Cat RP08443

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 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 CYP18-4 (CYP18-4)

Product Gene Name

CYP18-4 recombinant protein

Product Synonym Gene Name

CYP18-4

Purity

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

Sequence

MSNPRVFFDM SLSGTPIGRI EMELFADTTP NTAENFRALC TGEKGMGKLG KPLHFKGSIF HRVIPGFMCC
GGDFTAKNGT GGESYGAKE KDNFIKKHT GAGILSMANS GPNTNGSQFF ICTDKTSWLD GKHVVFGQVV
KGLDVVKAIE KVGSDSGKTS KVVITITDCGQ LS

Sequence Positions

1-172, 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

18,378 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_195213.1

NCBI GI

15236211

NCBI GenBank Nucleotide

NM_119653.4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Peptidyl-prolyl cis-trans isomerase CYP18-4 (CYP18-4), Recombinant Protein

Cat *RP08443*

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg
(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

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

NCBI GeneID

829639

NCBI Official Full Name

rotamase cyclophilin 5

NCBI Official Symbol

ROC5

NCBI Official Synonym Symbols

ARABIDOPSIS THALIANA CYCLOPHILIN 1; ATCYP1; CYCLOPHILIN; rotamase cyclophilin 5; ROTAMASE CYP

NCBI Protein Information

rotamase cyclophilin 5

NCBI Summary

belongs to cyclophilin family

UniProt Gene Name

CYP18-4

UniProt Synonym Gene Names

43H1; CYP1; CYPA; ROC5; PPlase CYP18-4; Cyclophilin-1

UniProt Protein Name

Peptidyl-prolyl cis-trans isomerase CYP18-4

UniProt Synonym Protein Names

Cyclophilin of 18 kDa 4; Cyclophilin-1; Rotamase cyclophilin-5

UniProt Primary Accession

Q42406

UniProt Secondary Accession

Q0WRR9

UniProt Related Accession

Q42406

UniProt Comments

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

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY