

Calcium-transporting ATPase 1, plasma membrane-type (Os12g0586600, LOC_Os12g39660), Recombinant Protein

Cat RP14701

Size 0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.5 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.2 mg (Yeast)/ 0.5 mg (Yeast)/

Species 0.05 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)
Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Calcium-transporting ATPase 1, plasma membrane-type (Os12g0586600, LOC_Os12g39660), partial

Product Gene Name

Os12g0586600 recombinant protein

Product Synonym Gene Name

Os12g0586600; LOC_Os12g39660

Purity

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

Sequence

MESYLEENFG GVKAKNSSEE ALRRWRKLCG VVKNPKRFR FTANLDKRGE AQAIKHANHE KLRVAVLVSK AALQFIQGLS LRSEYVVPPEE VKAAGFQICA DELGSIVEGH DSKKLITHGG VTGIADKLAT SPADGLSTAE ESIKRRQDVY GLNKFTSEV RSFWVFWWEA LQDIT

Sequence Positions

1-175. Partial

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

111,151 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

Calcium-transporting ATPase

NCBI Accession

XP_015620081.1

NCBI GI

1002313388

NCBI GenBank Nucleotide

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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XM_015764599.1 0.05 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/
1 mg (Yeast)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1
mg (Baculovirus)
NCBI GeneID
4352664

NCBI Official Full Name

calcium-transporting ATPase 1, plasma membrane-type

NCBI Official Symbol

LOC4352664

NCBI Official Synonym Symbols

OsJ_36685

NCBI Protein Information

calcium-transporting ATPase 1, plasma membrane-type

UniProt Gene Name

ACA10

UniProt Synonym Gene Names

OsACA10

UniProt Protein Name

Calcium-transporting ATPase 10, plasma membrane-type

UniProt Synonym Protein Names

Ca(2+)-ATPase isoform 10Curated; Plastid envelope ATPase 1Curated

UniProt Primary Accession

Q2QMX9

UniProt Secondary Accession

Q0IM87; A0A0P0YBR1

UniProt Related Accession

Q2QMX9

UniProt Comments

This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the translocation of calcium from the cytosol out of the cell, into the endoplasmic reticulum, or into organelles.

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