Inorganic phosphate transporter 1-2 (PTH1-2), Recombinant Protein

CD BioSciences
Plant Protein

Cat RP13619

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Inorganic phosphate transporter 1-2 (PTH1-2), partial

Product Gene Name
PTH1-2 recombinant protein

Product Synonym Gene Name
PTH1-2

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

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
57,841 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
Inorganic phosphate transporter

NCBI Accession
XP_015630484.1

NCBI GI
1002252517

NCBI GenBank Nucleotide
XM_015774998.1

NCBI GeneID
4331637

NCBI Official Full Name
inorganic phosphate transporter 1-2

NCBI Official Symbol
LOC4331637

NCBI Official Synonym Symbols

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PT1; PT2; OsPT1; OsPT2; PTH1-2; OsJ_009088

NCBI Protein Information
inorganic phosphate transporter 1-2

UniProt Gene Name
PTH1-2

UniProt Synonym Gene Names
PT1; PT2; OsPT2; OsPht1;2

UniProt Protein Name
Inorganic phosphate transporter 1-2

UniProt Synonym Protein Names
H(+)/Pi cotransporter; OsPT1

UniProt Primary Accession
Q8GSD9

UniProt Secondary Accession
Q56UU1; A0A0N7KGL1

UniProt Related Accession
Q8GSD9

UniProt Comments
Low-affinity transporter for inorganic phosphate (Pi) (PubMed:18980647). Involved in internal Pi transport from root to shoot (PubMed:18980647, PubMed:20149131). Responsible for most of the PHR2-mediated accumulation of excess shoot Pi under abundant Pi conditions, but not for PHO2-mediated accumulation of excess shoot Pi (PubMed:20149131). Acts as a H+:phosphate symporter (PubMed:18980647).

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