Phosphatidylinositol N-acetylglucosaminyltransferase subunit P (At1g61280), Recombinant Protein

CD BioSciences
Plant Protein

Cat RP00312

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Phosphatidylinositol N-acetylglucosaminyltransferase subunit P (At1g61280)

Product Synonym Names
Recombinant Phosphatidylinositol N-acetylglucosaminyltransferase subunit P (At1g61280); Phosphatidylinositol N-acetylglucosaminyltransferase subunit P EC= 2.4.1.198

Product Gene Name
AT1G61280 recombinant protein

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

Sequence
MLSLNQEVHG PKTSEVYGFV GSISIVVATV IFLIWGYVPD KFLESIGIYY YPSKYWAMAM PMYSMVTLLV ALVFYIGLNF MSTSKPTSLN TLFDDYSRED VNFLPLMKNG EDRPIDPISD IDITRINDLM FDSHLAK

Sequence Positions
1-137

Chromosome Location
Chromosome: 1; NC_003070.9 (22603586..22604081). Location: chromosome: 1

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
15,611 Da

Storage
Store at -20℃. For extended storage, store at -20 or -80℃.

Protein Family
Phosphatidylinositol N-acetylglucosaminyltransferase

NCBI Accession
NP_176323.1

NCBI GI
15219898

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Cat RP00312

NCBI GenBank Nucleotide
NM_104809.1

NCBI GeneID
842422

NCBI Official Full Name
phosphatidylinositol N-acetylglucosaminyltransferase subunit P

NCBI Official Symbol
AT1G61280

NCBI Official Synonym Symbols
T1F9.23; T1F9_23

NCBI Protein Information
phosphatidylinositol N-acetylglucosaminyltransferase subunit P

UniProt Protein Name
Phosphatidylinositol N-acetylglucosaminyltransferase subunit P

UniProt Entry Name
PIGP_ARATH

UniProt Primary Accession
O64792

UniProt Secondary Accession
A6QRD5

UniProt Related Accession
O64792

UniProt Comments
Function: Part of the complex catalyzing the transfer of N-acetylglucosamine from UDP-N-acetylglucosamine to phosphatidylinositol, the first step of GPI biosynthesis By similarity.Catalytic activity: UDP-N-acetyl-D-glucosamine + 1-phosphatidyl-1D-myo-inositol = UDP + 6-(N-acetyl-alpha-D-glucosaminyl)-1-phosphatidyl-1D-myo-inositol.Pathway: Glycolipid biosynthesis; glycosylphosphatidylinositol-anchor biosynthesis.Subcellular location: Membrane; Multi-pass membrane protein Potential. Sequence similarities: Belongs to the PIGP family.

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