Vacuolar protein sorting-associated protein 9A (VPS9A), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP05067*

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Vacuolar protein sorting-associated protein 9A (VPS9A) , partial

Product Gene Name
VPS9A recombinant protein

Product Synonym Gene Name
VPS9A

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
57,898 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
Vacuolar protein sorting-associated protein

NCBI Accession
NP_566645.1

NCBI GI
18402362

NCBI GenBank Nucleotide
NM_112867.5

NCBI GeneID
821514

NCBI Official Full Name
Vacuolar sorting protein 9 (VPS9) domain-containing protein

NCBI Official Symbol
VPS9A

Address: SUITE 209, 17 Ramsey Road, Shirley, NY 11967
Tel: 1-631-637-0420
E-mail: info@cd-biosci.com
https://www.cd-biosciences.com/plant-protein/

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NCBI Official Synonym Symbols
ARABIDOPSIS THALIANA VACUOLAR PROTEIN SORTING 9A; ATVPS9A; MMB12.26; VPS9

NCBI Protein Information
Vacuolar sorting protein 9 (VPS9) domain-containing protein

NCBI Summary
Guanine nucleotide exchange factor VPS9a. Can activate all Rab5 members to GTP-bound forms in vitro. Required for embryogenesis. Regulates the localization of ARA7 and ARA6. Involved in postembryonic root development.

UniProt Gene Name
VPS9A

UniProt Synonym Gene Names
VPS9; AtVSP9a

UniProt Protein Name
Vacuolar protein sorting-associated protein 9A

UniProt Primary Accession
Q9LT31

UniProt Related Accession
Q9LT31

UniProt Comments
Functions as guanine nucleotide exchange factor (GEF) for Rab small GTPases. Activates specifically RABF1, RABF2A and RABF2B proteins. Required for early stages of embryogenesis, cytokinesis, embryogenesis, and organ development. Is essential for the establishment or maintenance of the polar localization of the auxin efflux carrier PIN1.

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