

# Syntaxin-43 (SYP43), Recombinant Protein

Cat RP05368

Size 0.5 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (Yeast)/ 0.05 mg (Mammalian-Cell)/ 1 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)

## Species

Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Syntaxin-43 (SYP43), partial

## Product Gene Name

SYP43 recombinant protein

## Product Synonym Gene Name

SYP43

## Purity

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

## Sequence

MATRNRTLLF RKYRNSLRSV RAPMGSSSSS TLTEHNSLTG AKSGLGPVIE MASTSLLNPN RSYAPVSTED  
PGNSSRGTTIT VGLPPDWVDV SEEISVYIQR ARTKMAELGK AHAKALMPSTF GDGKEDQHQI ETLTQEVTFL  
LKKSEKQLQR LSAAGPSEDS NVRKNVQRSL ATDLQNLME LRKKQSTYK RLRLQKEDGA DLEMNLNGSR  
YKAEDDDFD MVFSEHQMSK IKKSEEISIE REKEIQQVVE SVSELAQIMK DLSALVIDQG TIVDRIDYNI  
QNVASTVDDG LKQLQKAERT QRQGG

## Sequence Positions

1-305

## Format

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

## Host

E Coli or Yeast or Baculovirus or Mammalian Cell

## Molecular Weight

36,894 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

Syntaxin

## NCBI Accession #

NP\_566256.1

## NCBI GI #

18397336

## NCBI GenBank Nucleotide #

NM\_111445.5

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat      *RP05368*

Size      0.5 mg (*E-Coli*)/ 0.05 mg (*Baculovirus*)/ 0.5 mg (*Yeast*)/ 0.05 mg  
(*Mammalian-Cell*)/ 1 mg (*E-Coli*)/ 0.1 mg (*Baculovirus*)/ 1 mg  
(*Yeast*)/ 0.1 mg (*Mammalian-Cell*)

## NCBI GeneID

819740

## NCBI Official Full Name

syntaxin of plants 43

## NCBI Official Symbol

SYP43

## NCBI Official Synonym Symbols

ATSYP43; F18C1.2; F18C1\_2; syntaxin of plants 43

## NCBI Protein Information

syntaxin of plants 43

## NCBI Summary

Encodes a member of SYP4 Gene Family that is a plant ortholog of the Tlg2/syntaxin16 Qa-SNARE. Together with SYP42, it regulates the secretory and vacuolar transport pathways in the post-Golgi network and maintains the morphology of the Golgi apparatus and TGN and is required for extracellular resistance responses to a fungal pathogen.

## UniProt Gene Name

SYP43

## UniProt Synonym Gene Names

AtSYP43

## UniProt Protein Name

Syntaxin-43

## UniProt Primary Accession #

Q9SUJ1

## UniProt Secondary Accession #

Q8L7J6; Q9M9X6

## UniProt Related Accession #

Q9SUJ1

## UniProt Comments

Vesicle trafficking protein that functions in the secretory pathway.

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