Sister Chromatid Cohesion 1 Protein 3 (SYN3) Arabidopsis Thaliana Recombinant Protein

PRODUCT OVERVIEW

Product Name	Sister chromatid cohesion 1 protein 3 (SYN3), Recombinant Protein
Full Product Name	Recombinant Arabidopsis thaliana Sister chromatid cohesion 1 protein 3 (SYN3) , partial
Product Gene Name	SYN3 recombinant protein
Product Synonym Gene Name	SYN3
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	80,168 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9FQ19
Species	Arabidopsis thaliana (Mouse-ear cress)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for SYN3 recombinant protein	MBS1372294 is a recombinant protein targeting SYN3. Also known as Recombinant Arabidopsis thaliana Sister chromatid cohesion 1 protein 3 (SYN3) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of SYN3 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SYN3. It may not necessarily be applicable to this product.

NCBI GI #	15231707
NCBI GeneID	825124
NCBI Accession #	NP_191514.1
UniProt Primary Accession #	Q9FQ19
UniProt Secondary Accession #	Q9M1B3
UniProt Related Accession #	Q9FQ19
GenBank Nucleotide #	NM_115817.3
NCBI Official Full Name	Rad21/Rec8-like family protein
NCBI Official Symbol	SYN3

NCBI Official Synonym Symbols	ATRAD21.2; ATSYN3; SISTER CHROMATID COHESION 1 PROTEIN 3
UniProt Protein Name	Sister chromatid cohesion 1 protein 3
UniProt Synonym Protein Names	SCC1 homolog 3; AtRAD21-2
Protein Family	Sister chromatid cohesion 1 protein
UniProt Gene Name	SYN3
UniProt Synonym Gene Names	AtRAD21-2
NCBI Protein Information	Rad21/Rec8-like family protein
NCBI Summary for SYN3	Encodes an alpha-kleisin protein that is localized primarily in the nucleolus and is essential for megagametogenesis and plays an important role in pollen development. alpha-kleisins are core components of meiotic and mitotic cohesin complexes.
UniProt Comments for SYN3	May be involved in sister chromatid cohesion during mitosis.
Research Articles on SYN3	**1.** SYN3 expression from 35S promoter with Myc or FAST tag causes a reduction in SYN1 mRNA levels and results in alterations in sister chromatid cohesion, homologous chromosome synapsis and synaptonemal complex formation during male and female meiosis.
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