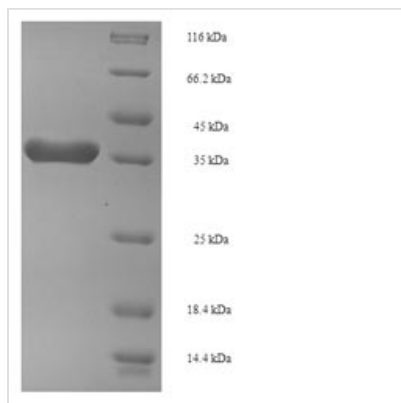




# Recombinant Arabidopsis thaliana FACT complex subunit SPT16 (SPT16), partial

<b>Product Code</b>	CSB-EP022955DOA
<b>Relevance</b>	Component of the FACT complex, a general chromatin factor that acts to reorganize nucleosomes. The FACT complex is involved in multiple processes that require DNA as a template such as mRNA elongation, DNA replication and DNA repair. During transcription elongation the FACT complex acts as a histone chaperone that both destabilizes and restores nucleosomal structure. It facilitates the passage of RNA polymerase II and transcription by promoting the dissociation of one histone H2A-H2B dimer from the nucleosome, then subsequently promotes the reestablishment of the nucleosome following the passage of RNA polymerase II (Probable).
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	O82491
<b>Alias</b>	Facilitates chromatin transcription complex subunit SPT16
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Arabidopsis thaliana (Mouse-ear cress)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	DFKKDVLRVDSVPTSSLEGIKEWLDTTDIKYYESKLNLNWRQLKTITDDPQSFI DDGGWEFLNLDGSDSESSEGGSEESDKGYEPSDVEVESESEDEASESESLVES DDDEEEDSEQESEEEKGKTWDELEREATNADREHGVESDSEEERKRKMKKA FGKSRPGTSGGGGSSSMKNMPPSKRKHR
<b>Lead Time</b>	3-7 business days
<b>Research Area</b>	Developmental Biology
<b>Source</b>	E.coli
<b>Gene Names</b>	SPT16
<b>Expression Region</b>	890-1074aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	36.9kDa
<b>Protein Description</b>	Partial
<b>Image</b>	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

## Description

Dive into developmental biology research with our recombinant *Arabidopsis thaliana* (Mouse-ear cress) SPT16 protein. This partial protein, covering the 890-1074aa expression region, is a FACT complex subunit SPT16 involved in chromatin remodeling and gene expression. Expressed in *E.coli* and equipped with an N-terminal 6xHis-SUMO tag, this protein is easily purified and demonstrates a purity of greater than 90% as determined by SDS-PAGE. Supplied as a lyophilized powder, the SPT16 protein offers stability and convenience for your developmental biology investigations.

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.