

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

Catalog No: #AP70819

Package Size: #AP70819-1 20ug #AP70819-2 100ug #AP70819-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Arabidopsis thaliana FACT complex subunit SPT16(SPT16),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:890-1074aaSequence Info:Partial
Other Names	Facilitates chromatin transcription complex subunit SPT16
Accession No.	O82491
Calculated MW	36.9 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	DFKKDVLRVDSVPTSSLEGIKEWLDTTDIKYYESKLNLNWRQILKTITDDPQSFIDGGWEFLNLDGSDSES GGSEESDKGYEPSDVEVESESEDEASESESLVESDDDEEDSEQESEEEKGKTWDELEREATNADREHGVESD SEEEKRRRKMKAFGKSRPGTSGGGGSSSMKNMPPSKRKHR
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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).

References

The Arabidopsis Information Resource (TAIR) ORF cloning and analysis of Arabidopsis transcription factor genes.Fujita M., Mizukado S., Seki M., Shinozaki K., Mitsuda N., Takiguchi Y., Takagi M.The chromatin remodelling complex FACT associates with actively transcribed regions of the Arabidopsis genome.Duroux M., Houben A., Ruzicka K., Friml J., Grasser K.D.Plant J. 40:660-671(2004)Research Topic:Developmental Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.