9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SYCE3 Human

Synaptonemal Complex Central Element Protein 3 Human Recombinant RCP2300

Product Overview

Name	SYCE3 Human
Description	
Synaptonemal Complex Central Element Protein 3 Human Recombinant	
Accession (Primary)	A1L190
Synonyms	
Synaptonemal complex central element protein 3, chromosome 22 open reading frame 41, Testis highly expressed gene 2 protein, testis highly expressed protein 2, THEG2, C22orf41.	
Introduction	
Synaptonemal complex central element protein 3 (SYCE3) is key component of the transverse central element of synaptonemal complexes (SCS). The synaptonemal complex is a protein structure which forms between homologous chromosomes (2 pairs of sister chromatids) during meiosis and is assumed to mediate chromosome pairing, synapsis, and recombination (crossing-over). The SYCE3 protein is essential for chromosome loading of the central element-specific SCS proteins, as well as for initiating synapsis between homologous chromosomes. SYCE3 is also vital for fertility.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The SYCE3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 20% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MDDADPEERN YDNMLKMLSD LNKDLEKLLE EMEKISVQAT WMAYDMVVMR TNPTLAESMR RLEDAFVNCK EEMEKNWQEL LHETKQRL	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

Precautions

SYCE3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (A1L190)