

### 32-5014: Recombinant Human Synaptonemal Complex Central Element Protein 3

**Alternative Name :** 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.

#### Description

Source : E.coli. SYCE3 Human Recombinant produced in E. coli is a single polypeptide chain containing 108 amino acids (1-88) and having a molecular mass of 12.8 kDa. SYCE3 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

#### Product Info

<b>Amount :</b>	10 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The SYCE3 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 20% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SGLVPRGSH MDDADPEERN YDNMLKMLSD LNKDLEKLE EMEKISVQAT WMAYDMVVMR TNPTLAESMR RLEDAFVNCK EEMEKNWQEL LHETKQRL

