

SYCE3, 1-88aa, Human, His tag, E.coli

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3th Edition

Synonyms:synaptonemal complex central element protein 3, testis highly expressed protein 2, C22orf41, chromosome 22 open reading frame 41, THEG-2, THEG2, SYCE-3

Description:SYCE3(synaptonemal complex central element protein 3) is major component of the transverse central element of synaptonemal complexes (SCS). The synaptonemal complex is a protein structure that forms between homologous chromosomes (two pairs of sister chromatids) during meiosis and that is thought to mediate chromosome pairing, synapsis, and recombination (crossing-over). This protein required for chromosome loading of the central element-specific SCS proteins, and for initiating synapsis between homologous chromosomes. Recombinant human SYCE3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 20% glycerol, 2mM DTT

Molecular Weight:12.8 kDa (108aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMDDADPEERNYDNMLKMLSDLNKDLEKLLLEEMEKISVQATWMAYDMVVMRTNP
TLAESMRRLLEDAFVNCKEEMEKNWQELLHETKQRL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.