

Recombinant Human SYCE1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SYCE1-1297H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SYCE1 MS Standard C13 and N15-labeled recombinant protein (NP_570140) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the synaptonemal complex, which links homologous chromosomes during prophase I of meiosis. The tripartite structure of the complex is highly conserved amongst metazoans. It consists of two lateral elements and a central region formed by transverse elements and a central element. The protein encoded by this gene localizes to the central element and is required for initiation and elongation of the synapsis. Allelic variants of this gene have been associated with premature ovarian failure and spermatogenic failure. Alternative splicing results in multiple transcript variants.
Molecular Mass	32.4 kDa
AA Sequence	MEMVQKLQKVGSLPRVEVLINRINEVQQAKKKANKDLGEARTICEALQKELDSLHG EKVHLKEILSKKQETLRILRLHCQEKESAEHRKHTMLQECKERISALNLQIEEEKNKQ RQLRLAFEEQLEDLMGQHKDLWDFHMPERLAKEICALDSSKEQLLKEEKLVKATLED VKHQLCSLCGAEGPSTLDEGLFLRSQEAATVQLFQEEHRKAEELLAAAAQRHQQL QQKCQQQQQKRQRLKEELEKHGMQVPAQAQSTQEEEAGPGDVAPRPGRPVTWW

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SYCE1 synaptonemal complex central element protein 1 [Homo sapiens (human)]
Official Symbol	SYCE1
Synonyms	SYCE1; synaptonemal complex central element protein 1; CT76; POF12; SPGF15; C10orf94; synaptonemal complex central element protein 1; cancer/testis antigen 76; epididymis secretory sperm binding protein
Gene ID	93426
mRNA Refseq	NM_130784
Protein Refseq	NP_570140
MIM	611486

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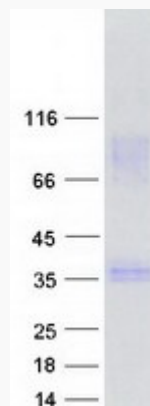
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UniProt ID

Q8N0S2

SDS-PAGE

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