

## Product datasheet for **TP309340L**

### SCP3 (SYCP3) (NM\_153694) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human synaptonemal complex protein 3 (SYCP3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209340 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MVSSGKKYSRKSGKPSVEDQFTRAYDFETEDKKDLGSEEDVIEGKTAVIEKRRKKRSSAGVVEDMGGEV QNMLEGVGVDINKALLAKRKRLEMYTKASLKTSNQKIEHVWKTQQDQRQKLNQEYSQQFLTLFQQWDLDM QKAAEQEEKILNMFRQQQKILQQSRIVQSQRLKTIKQLYEQFIKSMEELEKNHNDLLTGAQNEFKKEMAM LQKKIMMETQQQEIASVRKSLQSMLF</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	27.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_710161</a>
Locus ID:	50511
UniProt ID:	<a href="#">Q8IZU3</a> , <a href="#">A0A024RBF8</a>



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RefSeq Size: 1137

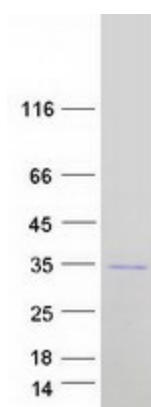
Cytogenetics: 12q23.2

RefSeq ORF: 708

Synonyms: COR1; RPRGL4; SCP3; SPGF4

**Summary:** This gene encodes an essential structural component of the synaptonemal complex. This complex is involved in synapsis, recombination and segregation of meiotic chromosomes. Mutations in this gene are associated with azoospermia in males and susceptibility to pregnancy loss in females. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, May 2010]

### Product images:



Coomassie blue staining of purified SYCP3 protein (Cat# [TP309340]). The protein was produced from HEK293T cells transfected with SYCP3 cDNA clone (Cat# [RC209340]) using MegaTran 2.0 (Cat# [TT210002]).