

Product datasheet for TP524487

Sycp1 (NM_011516) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse synaptonemal complex protein 1 (Sycp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224487 protein sequence Red=Cloning site Green=Tags(s)

MEKQKPFTLFVPPRLSSSQVSAVKPQTAGGDSNYFKTVNKCTEGDFGVPFTMSSRENIDKDPAFQKLSIL
PMLEQVANSCHYQEGVNDSDFENSEPMSRLYSKLYKEAEKIKKWKVSISELKQKENKLQENRKIIIEA
QRKAIQELQFENEKVSLEEEIENKDLIKENNATIHWCNLLKETCARSAEKTNKYEYEREETRQVYVD
LNSNIEKMILAFEELRVQAENARLEMHFKLKEDHEKIQHLEEEYQKEVNNKENQVSELLIQSAEKENKMK
DLTFLLEESRDKANQLEEKTKLQDENLKEKSEKDHLESELEDIKMSMQRSMSTQKALEEDLQIATKTIS
QLTEVKEAQMEELNKAHTHSFVTELKATTCTLEELLRTEQQRLEKNEDQLKLITVELQKKSNELEEMT
KFKNNKEVELEELKNILAEDQKLLDEKKQVEKLAEELEQEELTFLLETREKEVHDLQEQVTVTKTSEQ
HYLKQVEEMKTELEKEKLNTELTASCDMLLENKKFVQEASDMALELKKHQEDIINCKQEEERLLKQIE
NLEEKEMHLRDELESVRKEFIQGGDEVKCKLDKSEENARSIECEVLKKEKQMKILESKCNLKKQVENKS
KNIEELHQENKTLKKKSSAEIKQLNAYEIKVSKLELELESTKQRFEEMTNNYQKEIENKKISEGKLLGEV
EKAKATVDEAVKLQKEIDLRCQHIAEMVALMEKHKHQYDKIVEERDSELGLYKNREQEQQSSAKIALETE
LSNIRNELVSLKKQLEIEKEEKEKLMAKENTAILKDKKDKKIQASLLESPEATSWKFDSTTPSQNISR
LSSSMDSGSKDNRDNLRASAKSILPTTVTKYTVKTPTKKSIYQRENKYIPTGGSNKKRKTAFEFDVNS
DSSETADLLSLVSEEDVSNRLYDNNPPDSHLLVKTPKQTPLSLSTPASFMKFGSLKKMREDRWTTIAKID
RKRRRLKEAEKLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	116 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



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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 after receiving vials.
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:	NP_035646
Locus ID:	20957
UniProt ID:	Q62209
RefSeq Size:	3437
Cytogenetics:	3 F2.2
RefSeq ORF:	2982
Synonyms:	SCP1
Summary:	Major component of the transverse filaments of synaptonemal complexes, formed between homologous chromosomes during meiotic prophase (PubMed:16717126). Required for normal assembly of the central element of the synaptonemal complexes (PubMed:15937223). Required for normal centromere pairing during meiosis (PubMed:22761579). Required for normal meiotic chromosome synapsis during oocyte and spermatocyte development and for normal male and female fertility (PubMed:15937223).[UniProtKB/Swiss-Prot Function]