

Product datasheet for TP511628

Smc6 (NM_025695) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse structural maintenance of chromosomes 6 (Smc6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR211628 representing NM_025695 Red=Cloning site Green=Tags(s)

MAKRKEENFCSPENAKRPRQEELEDFDKDGDDECTISFTNGTSTLTAAEVGIIESIQLRNFMCHSMLGP
FKFGSNVNFVVGNNNGSGKSAVLTALIVGLGGKAVATNRGSSLKGFVKAGQNSADISITLRNRGDDAFRAN
VYGDSSIVVQQHISVDGSRSYKLGKSEKGTVSTRKEELIAILDHFNIQVDNPVSVLTQEMSKQFLQSKNEG
DKYKFFMKATQLEQMKEDYSYIMETKERTKEQINQGEERLTELKRQCLEKEERFQNIAGLSTMKTNLEYL
KHEMAWAVVNEIEKQLNAIRDNIKIGEERAALKDRKMEEQQVRLNDAEKKYKDIQDKLEKISEETNARAP
ECMALKTDVIARTRAFNDAEVLNRSLENEYKALKKDGELCKRIEELKSTDQSLEPERLERQKRICWLK
EKVKALQDQEHTVNQAEQFEQAEIKDKQEHGRVRKEDIEVRHALNYNQRQLKELKDSKTDRLKRFPHV
PALLEAIDDAYRRRQFTHKPIGLGACIHLRDPPELALAIESCLKGLLQAYCCHNHADERVLQSLMKKFYF
PGTSRPQIIIVSEFRDEVYDVRRLRAAYHPEFPTVLTALIDNAVANSIDMRSIETVLLIKNNSVARAVM
QSQKPPKNCREAFTADGDQVFAGRYSSSESTRPKFLSRDSDSEISDLETEIENKKGHIITLQQRLSALEK
DIKRNEELLKRCQLHYKEIKMKIRKNISEIRELENIEEHQSVDIATLEDEAEENKIKMQMVEKNMEQQKE
NMENLKSLKIEAENKYDTIKLKINQLSELADPLKDELNLADSEVDSQKRGKQHYEDKQKEHLDLTKKRR
ELDMKEKELQEKMSQARQICPERIEVKKSASILDKEINRLRQKIQAHASHGDRREEIMKQYQEAARETYLD
LDNKVRTLRRFIKLEEMTHRYKTYQQFRRLCLTRCKLYFDNLLSQRAYCGKMNFDHKNETLSITVQPG
EGNKASFNDMRALSGGERSFSTVCFILSLWSIAESPFRCLDEFDVMYMDMNVNRRIAMDMILKMADSQRFRQ
FILLTPQSMSSLPSKLRILRMSDPERGQTTLFRPVTQEEDDSAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	127.2 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_079971
Locus ID:	67241
UniProt ID:	Q924W5
RefSeq Size:	5603
Cytogenetics:	12 A1.1
RefSeq ORF:	3291
Synonyms:	2810489L22Rik; 3830418C19Rik; AA990493; AU018782; AW742439; mKIAA4103; SMC-6; Smc6l1
Summary:	Core component of the SMC5-SMC6 complex, a complex involved in repair of DNA double-strand breaks by homologous recombination. The complex may promote sister chromatid homologous recombination by recruiting the SMC1-SMC3 cohesin complex to double-strand breaks. The complex is required for telomere maintenance via recombination and mediates sumoylation of shelterin complex (telosome) components (By similarity).[UniProtKB/Swiss-Prot Function]