Recombinant Human SMC6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMC6-5904H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMC6 MS Standard C13 and N15-labeled recombinant protein (NP_078900) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	SMC6 (Structural Maintenance Of Chromosomes 6) is a Protein Coding gene. Diseases associated with SMC6 include Fanconi Anemia, Complementation Group F and Cornelia De Lange Syndrome. Among its related pathways are Metabolism of proteins and SUMOylation. An important paralog of this gene is SMC5.
Molecular Mass	126.3 kDa
AA Sequence	MAKRKEENFSSPKNAKRPRQEELEDFDKDGDEDECKGTTLTAAEVGIIESIHLKNFM CHSMLGPFKFGSNVNFVVGNNGSGKSAVLTALIVGLGGRAVATNRGSSLKGFVKDG QNSADISITLRNRGDDAFKASVYGNSILIQQHISIDGSRSYKLKSATGSVVSTRKEELI AILDHFNIQVDNPVSVLTQEMSKQFLQSKNEGDKYKFFMKATQLEQMKEDYSYIMET KERTKEQIHQGEERLTELKRQCVEKEERFQSIAGLSTMKTNLESLKHEMAWAVVNEI EKQLNAIRDNIKIGEDRAARLDRKMEEQQVRLNEAEQKYKDIQDKLEKISEETNARAP ECMALKADVVAKKRAYNEAEVLYNRSLNEYKALKKDDEQLCKRIEELKKSTDQSLEP ERLERQKKISWLKERVKAFQNQENSVNQEIEQFQQAIEKDKEEHGKIKREELDVKHA LSYNQRQLKELKDSKTDRLKRFGPNVPALLEAIDDAYRQGHFTYKPVGPLGACIHLR

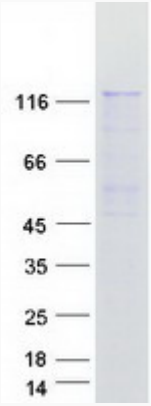
Tel: 1-631-559-9269 1-516-512-3133
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45-1 Ramsey Road, Shirley, NY 11967, USA

	DPELALAIESCLKGLLQAYCCHNHADERVLQALMKRFYLPGTSRPPIIVSEFRNEIYD VRHRAAYHPDFPTVLTALEIDNAVVANSLIDMRGIETVLLIKNNSVARAVMQSQKPPK NCREAFTADGDQVFAGRYYSSENTRPKFLSRDVDSEISDLENEVENKTAQILNLQQH LSALEKDIKHNEELLKRCQLHYKELKMKIRKNISEIRELENIEEHQSVDIATLEDEAQEN KSKMKMVEEHMEQQKENMEHLKSLKIEAENKYDAIKFKINQLSELADPLKDELNLAD SEVDNQKRGKRHYEEKQKEHLDTLNKKKRELDMKEKELEEKMSQARQICPERIEVE KSASILDKEINRLRQKIQAEHASHGDREEIMRQYQEARETYLDLDSKVRTLKKFIKLLG EIMEHRFKTYQQFRRCLTLRCKLYFDNLLSQRAYCGKMNFDHKNETLSISVQPGEG NKAAFNDMRALSGGERSFSTVCFILSLWSIAESPFRCLDEFDVYMDMVNRRIAMDLI LKMADSQRFRQFILLTPQSMSSLPSSKLIRILRMSDPERGQTTLPFRPVTQEEDDDQ RTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	SMC6 structural maintenance of chromosomes 6 [Homo sapiens (human)]
Official Symbol	SMC6
Synonyms	SMC6; structural maintenance of chromosomes 6; SMC6 structural maintenance of chromosomes 6 like 1 (yeast), SMC6L1; structural maintenance of chromosomes

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	protein 6; FLJ22116; SMC protein 6; SMC6 structural maintenance of chromosomes 6-like 1; SMC-6; hSMC6; SMC6L1; FLJ35534;
Gene ID	79677
mRNA Refseq	NM_024624
Protein Refseq	NP_078900
MIM	609387
UniProt ID	Q96SB8
SDS-PAGE	

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