

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 CHSMLGPFKFGSNVNFVVGNNNGSGKSAVLTALIVGLGGRVATNRGSSLKGFVKDG QNSADISITLRNRGDDAFKASVYGNLSILIQQHISIDGSRSYKLKSATGSVSTRKEELI AILDHFNIQVDNPVSVLTQEMSKQFLQSKNEGDKYKFFMKATQLEQMKEDYSYIMET KERTKEQIHQGEERLTTELKRQCVEKEERFQSIAGLSTMKTNLKHEMAWAVVNEI EKQLNAIRDNIKIGEDRAARLDRKMEEQQVRLNEAEQKYKDIQDKLEKISEETNARAP ECMALKADVAKKRAYNEAEVLYNRSLENEYKALKKKDDEQLCKRIEELKKSTDQSLEP ERLERQKKISWLKERVKAFQNNQENSVNQEIQQQAIEKDKEEHGKIKREELDVKHA LSYNQRQLKELKDSKTDRLKRFGPNVPALLEAIDDAYRQGHFTYKPVGPLGACIHLR

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DPELALAIESCLKGLLQAYCCHNHADERVLQALMKRFYLPGTSRPPIIVSEFRNEIYD
 VRHRAAYHPDFPTVLTALEIDNAVVANSLIDMRGIETVLLIKNNSVARAVMQSQKPPK
 NCREAFTADGDQVFAGRYYSSENTRPKFLSRDVDSEISDLENEVENKTAQILNLQQH
 LSALEKDIKHNEELLKRCQLHYKELKMKIRKNISEIRELENIEEHQSVDIATLEDEAQEN
 KSKMKMVEEHMEQQKENMEHLKSLKIEAENKYDAIKFKINQLSELADPLKDELNLAD
 SEVDNQKRGKRHYEEKQKEHLDTLNKKKRELDMKEKELEEKMSQARQICPERIEVE
 KSASILDKEINRLRQKIQAHASHGDREEIMRQYQEARETYLDLDSKVRTLKKFIKLLG
 EIMEHRFKTYQQFRRCLTLRCKLYFDNLLSQRAYCGKMNFDHKNETLSISVQPGEG
 NKAADFNDMRALSGGERSFSTVCFILSLWSIAESPFRCLDEFDVYMDMVNRRIAMDLI
 LKMADSQRFRQFILLTPQSMSSLPSSKLIRILRMSDPERGQTTLFPRPVTQEEDDDQ
 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](#)

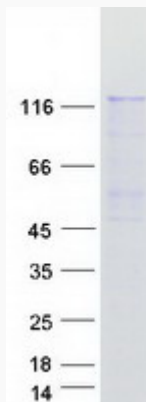
mRNA Refseq [NM_024624](#)

Protein Refseq [NP_078900](#)

MIM [609387](#)

UniProt ID [Q96SB8](#)

SDS-PAGE



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