

Recombinant Human structural maintenance of chromosomes 2 Protein, His tagged

Cat. No. SMC2-055H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human SMC2 protein (O95347) (Glu 476-Asn 707) with a His tag at the C-terminus was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	476-707aa
Description	Predicted to enable ATP binding activity; chromatin binding activity; and single-stranded DNA binding activity. Involved in mitotic chromosome condensation. Located in condensed chromosome; cytoplasm; and nuclear lumen. Part of condensin complex.
Tag	C-His
Molecular Mass	26.5 kDa
Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot

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the reconstituted solution to minimize freeze-thaw cycles.

Storage Buffer

Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution

Reconstitute at 250 µg/mL in sterile water.

GENE INFORMATION

Gene Name

SMC2 structural maintenance of chromosomes 2 [Homo sapiens (human)]

Official Symbol

SMC2

Synonyms

SMC2; structural maintenance of chromosomes 2; SMC2 (structural maintenance of chromosomes 2, yeast) like 1, SMC2 structural maintenance of chromosomes 2 like 1 (yeast), SMC2L1; structural maintenance of chromosomes protein 2; CAP E; hCAP E; SMC-2; SMC protein 2; XCAP-E homolog; chromosome-associated protein E; SMC2 structural maintenance of chromosomes 2-like 1; SMC2 (structural maintenance of chromosomes 2, yeast)-like 1; structural maintenance of chromosomes (SMC) family member, chromosome-associated protein E; CAPE; CAP-E; SMC2L1; hCAP-E; FLJ10093;

Gene ID

10592

mRNA Refseq

NM_001042550

Protein Refseq

NP_001036015

MIM

605576

UniProt ID

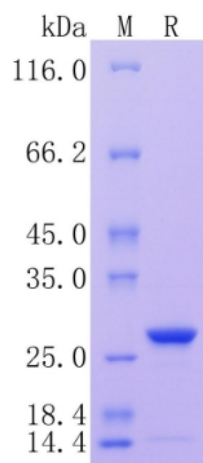
O95347

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**Protein on SDS-
PAGE under
reducing (R)
condition.**



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