

Recombinant Human SMC1A, GST-tagged

Cat. No. SMC1A-2808H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMC1A protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	685-1034aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	SMC1A structural maintenance of chromosomes 1A [Homo sapiens]
Official Symbol	SMC1A
Synonyms	SMC1A; structural maintenance of chromosomes 1A; SMC1 (structural maintenance of chromosomes 1, yeast) like 1 , SMC1 structural maintenance of chromosomes 1 like 1 (yeast) , SMC1L1; structural maintenance of chromosomes protein 1A; DXS423E; KIAA0178; SB1.8; Smcb; SMC-1A; SMC-1-alpha; SMC protein 1A;

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	segregation of mitotic chromosomes 1; SMC1 structural maintenance of chromosomes 1-like 1; SMC1 (structural maintenance of chromosomes 1, yeast)-like 1; SMC1; SMCB; CDLS2; SMC1L1; SMC1alpha; MGC138332; DKFZp686L19178;
Gene ID	8243
mRNA Refseq	NM_006306
Protein Refseq	NP_006297
MIM	300040
UniProt ID	Q14683
Chromosome Location	Xp11.22-p11.21
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chromosome Maintenance, organism-specific biosyst
Function	ATP binding; chromatin binding; microtubule motor activity; nucleotide binding; protein binding; protein heterodimerization activity;