

Recombinant Human SMC3 cell lysate

Cat. No. SMC3-1648HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene belongs to the SMC3 subfamily of SMC proteins. The encoded protein occurs in certain cell types as either an intracellular, nuclear protein or a secreted protein. The nuclear form, known as structural maintenance of chromosomes 3, is a component of the multimeric cohesin complex that holds together sister chromatids during mitosis, enabling proper chromosome segregation. Post-translational modification of the encoded protein by the addition of chondroitin sulfate chains gives rise to the secreted proteoglycan bamacan, an abundant basement membrane protein.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SMC3 structural maintenance of chromosomes 3 [Homo sapiens]
Official Symbol	SMC3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	SMC3; structural maintenance of chromosomes 3; chondroitin sulfate proteoglycan 6 (bamacan) , CSPG6; structural maintenance of chromosomes protein 3; BAM; bamacan; bamacan proteoglycan; HCAP; SMC3L1; SMC-3; SMC protein 3; chromosome-associated polypeptide; chondroitin sulfate proteoglycan 6 (bamacan); basement membrane-associated chondroitin proteoglycan; BMH; CDLS3; CSPG6;
Gene ID	9126
mRNA Refseq	NM_005445
Protein Refseq	NP_005436
MIM	606062
UniProt ID	Q9UQE7
Chromosome Location	10q25
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chromosome Maintenance, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem;
Function	ATP binding; dynein binding; microtubule motor activity; nucleotide binding; protein binding; protein heterodimerization activity;