

Recombinant Human SMC3 protein, His-tagged

Cat. No. SMC3-2810H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMC3 protein(1-349 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-349 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AASequence	MYIKQVIIQGFRSYRDQTIVDPFSSKHNIVVGRNGSGKSNLFYAIQFVLSDEFSHLRP EQRLALLHEGTGPRVISAFVEIIFDNSDNRLPIDKEEVSLRRVIGAKKDQYFLDKKMVT KNDVMNLLSAGFSRSPYYIVKQGKINQMATA PD SQRLKLLREVAGTRVYDERKE ESISLMKETEGKREKINELLKYIEERLHTLEEEKEELA QYQKWDKMRRALEYTIYNQE LNETRAKLDELSAKRETSGEKSRQLRDAQQDARDKMEDIERQVRELKTKISAMKEE KEQLSAERQE QIKQRTKLEL KAKDLQDELAGNSEQRKRLKERQKLLKIEEKQKEL AETEP
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

SMC3 structural maintenance of chromosomes 3 [Homo sapiens]

Official Symbol

SMC3

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

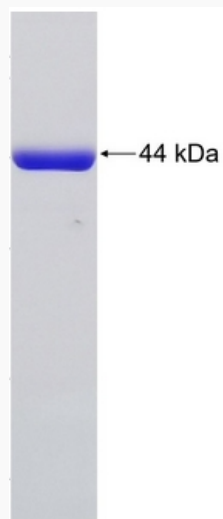
UniProt ID

Q9UQE7

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SDS-PAGE

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