

Recombinant Human SMCP Protein, His&GST-tagged

Cat. No. SMCP-2083H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SMCP Protein (Met1-Lys116) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys116
Description	Sperm mitochondria differ in morphology and subcellular localization from those of somatic cells. They are elongated, flattened, and arranged circumferentially to form a helical coiled sheath in the midpiece of the sperm flagellum. The protein encoded by this gene localizes to the capsule associated with the mitochondrial outer membranes and is thought to function in the organization and stabilization of the helical structure of the sperm's mitochondrial sheath.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.8 kDa Accurate Molecular Mass: 42 kDa
Purity	> 80%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	SMCP sperm mitochondria-associated cysteine-rich protein [Homo sapiens (human)]
Official Symbol	SMCP
Synonyms	SMCP; sperm mitochondria-associated cysteine-rich protein; MCSP, mitochondrial capsule selenoprotein; sperm mitochondrial-associated cysteine-rich protein; mitochondrial capsule selenoprotein; MCS; MCSP; HSMCSGEN1; MGC26305; MGC26519;
Gene ID	4184
mRNA Refseq	NM_030663
Protein Refseq	NP_109588
MIM	601148

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UniProt ID

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