

SPAG8 抗原（重组蛋白）

中文名称： SPAG8 抗原（重组蛋白）

英文名称： SPAG8 Antigen (Recombinant Protein)

别名： SMP1, BS-84, HSD-1, SPAG3, hSMP-1

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 205-426 amino acids of human SPAG8

技术规格

Full name:	sperm associated antigen 8
Synonyms:	SMP1, BS-84, HSD-1, SPAG3, hSMP-1
Swissprot:	Q99932
Gene Accession:	BC019247
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification and characterization of relevant sperm antigens. The protein encoded by this gene is recognized by sperm agglutinating antibodies from an infertile woman.

This protein is localized in germ cells of the testis at all stages of spermatogenesis and is localized to the acrosomal region of mature spermatozoa. This protein interacts with ACT (activator of CREM in testis) and may play a role in CREM (cAMP response element modulator)-ACT-mediated gene transcription during spermatogenesis. This protein may also play a role in spermatogenesis by regulating microtubule formation and cell division. Alternatively spliced variants that encode different protein isoforms have been described but the full-length sequences of only two have been determined.