

Recombinant Human SPAG8

Catalog No: #GP10783



Package Size: #GP10783-1 100ug

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Description

Product Name	Recombinant Human SPAG8
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 205-426 amino acids of human sperm associated antigen 8
Target Name	sperm associated antigen 8
Other Names	SMP1, BS-84, HSD-1, SPAG3, hSMP-1
Accession No.	Swissprot:Q99932Gene Accession:BC019247
Uniprot	Q99932
GenelD	26206;
Storage	-20~-80°C, pH 7.6 PBS

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.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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