

MEI1 抗原（重组蛋白）

中文名称： MEI1 抗原（重组蛋白）

英文名称： MEI1 Antigen (Recombinant Protein)

储 存： 冷冻（-20℃）

别 名： meiosis inhibitor 1; SPATA38

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 993-1274 amino acids of human MEI1

技术规格

Full name:	meiosis inhibitor 1
Synonyms:	SPATA38
Swissprot:	Q5TIA1
Gene Accession:	BC032248
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 predominant cause of spermatogenic arrest of meiosis is the failure of homologous chromosomes to accurately synapse. MEI1 (Meiosis inhibitor protein 1), also designated Meiosis defective protein 1, is a 1274 amino acid protein that is likely required for the formation of genetically programmed double-strand breaks, the first step in the initiation of meiosis. With predominant expression in testis, it is likely that defects of the gene encoding MEI1 results in male

infertility. Interestingly, studies show that genetic variation in the MEI gene possibly predisposes European Americans but not Israeli men to infertility by meiotic arrest. Human MEI1 shares 79% sequence similarity with its mouse homolog. There are seven isoforms of MEI1 that are produced as a result of alternative splicing events.