SPACA3 抗原（重组蛋白）

中文名称： SPACA3 抗原（重组蛋白）

英文名称： SPACA3 Antigen (Recombinant Protein)

别　　名： sperm acrosome associated 3; CT54; LYC3; LYZL3; SLLP1; ALLP17; 1700025M08Rik

相关类别： 抗原

储　　存： 冷冻（-20℃）

概述

Fusion protein corresponding to a region derived from 1-123 amino acids of human SPACA3

技术规格

Full name:	sperm acrosome associated 3
Synonyms:	CT54; LYC3; LYZL3; SLLP1; ALLP17; 1700025M08Rik
Swissprot:	Q8IXA5
Gene Accession:	BC029867
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	SPACA3 (sperm acrosome associated 3), also known as sperm lysozyme-like protein 1, lysozyme-like protein 3, lysozyme-like acrosomal sperm-specific secretory protein ALLP-17, cancer/testis antigen 54 (CT54), LYC3, SPRASA or LYZL3, is a 215 amino acid protein that participates in the fusion and adhesion of sperm and egg plasma membrane during fertilization. Identified as a novel cancer/testis antigen in hematologic malignancies,

	SPACA3 has the ability to elicit B-cell immune responses in p atients with cancer and is considered a potential target for im munotherapy. A member of the glycosyl hydrolase 22 family which is expressed in testis, placenta and epididymis, SPACA3 exists as two alternatively spliced isoforms; SPACA3 isoform 1 is a single-pass type II membrane protein of the sperm acros ome whereas SPACA3 isoform 2 is a secreted protein. Sperm surface membrane protein that may be involved in sperm-egg plasma membrane adhesion and fusion during fertilization. It could be a potential receptor for the egg oligosaccharide resi due N-acetylglucosamine, which is present in the extracellular matrix over the egg plasma membrane. The processed form h as no detectable bacteriolytic activity in vitro.