

SPATA13 抗原（重组蛋白）

中文名称： SPATA13 抗原（重组蛋白）

英文名称： SPATA13 Antigen (Recombinant Protein)

别名： ASEF2; ARHGEF29; RP11-307N16.3

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 240-424 amino acids of human SPATA13

技术规格

Full name:	Spermatogenesis associated 13
Synonyms:	ASEF2; ARHGEF29; RP11-307N16.3
Swissprot:	Q96N96
Gene Accession:	BC109291
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Acts as guanine nucleotide exchange factor (GEF) for RHOA, RAC1 and CDC42 GTPases. Regulates cell migration and adhesion assembly and disassembly through a RAC1, PI3K, RHOA and AKT1-dependent mechanism. Increases both RAC1 and CDC42 activity, but decreases the amount of active RHOA. Required for MMP9 up-regulation via the JNK signaling pathway in colorectal tumor cells. Involved in tumor angiogenesis and may play a role in intestinal adenoma formation and tumor progression. Both the ABR and the SH3 domains contribute to maintaining the protein in an inhibited conformation by associating with the C-terminal tail. Binding of these

domains to the C-terminal tail inhibits the activity of the protein by blocking a region that is required for its GEF activity.