

Recombinant Human SPATA13

Catalog No: #GP10799



Package Size: #GP10799-1 100ug

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Description

Product Name	Recombinant Human SPATA13
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 240-424 amino acids of human spermatogenesis associated 13
Target Name	Spermatogenesis associated 13
Other Names	ASEF2; ARHGEF29; RP11-307N16.3
Accession No.	Swissprot:Q96N96Gene Accession:BC109291
Uniprot	Q96N96
GenID	221178;
Storage	-20~-80°C, pH 7.6 PBS

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.

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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