

Recombinant Human SRGAP3

Catalog No: #GP12055



Package Size: #GP12055-1 100ug

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Description

Product Name	Recombinant Human SRGAP3
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to N terminal 250 amino acids of human SLIT-ROBO Rho GTPase activating protein 3
Target Name	SLIT-ROBO Rho GTPase activating protein 3
Other Names	WRP; MEGAP; SRGAP2; ARHGAP14
Accession No.	Swissprot:O43295Gene Accession:BC039300
Uniprot	O43295
GenID	9901;
Storage	-20~-80°C, pH 7.6 PBS

Background

SRGAP3 is a 1099 amino acid protein containing 1 FCH domain, 1 Rho-GAP domain and 1 SH3 domain. Expressed highly in brain, and in lower levels in kidney, WRP is thought to play a role in cell migration through its interaction with Cdc42 and Rac1. Cdc42 and Rac1 are two intracellular signaling proteins that regulate the multistep cell migration process. WRP downregulates Cdc42 and Rac1 activity, thereby impairing actin and microtubule dynamics, the formation of protrusions, and total cell migration. Defects in the gene encoding WRP have been linked to severe idiopathic mental retardation. Three isoforms of WRP exist as a result of alternative splicing events.

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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