

Recombinant Mouse Srgap2 Protein, Myc/DDK-tagged

Cat. No. Srgap2-6125M Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Purified recombinant protein of mouse full-length SLIT-ROBO Rho GTPase activating protein 2 (Srgap2), with C-terminal MYC/DDK tag, expressed in HEK293T cells. |
| Species | Mouse |
| Source | HEK293 |
| Description | RAC1 GTPase activating protein (GAP) that binds and deforms membranes, and regulates actin dynamics to regulate cell migration and differentiation. Plays an important role in different aspects of neuronal morphogenesis and migration mainly during development of the cerebral cortex. This includes the biogenesis of neurites, where it is required for both axons and dendrites outgrowth, and the maturation of the dendritic spines. Also stimulates the branching of the leading process and negatively regulates neuron radial migration in the cerebral cortex. May play a role for cognition, learning and memory. In non-neuronal cells, it may also play a role in cell migration by regulating the formation of lamellipodia and filopodia. |
| Molecular Mass | 120.8 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Stability | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Storage | Store at -80 centigrade after receiving vials. |

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Srgap2 SLIT-ROBO Rho GTPase activating protein 2 [Mus musculus (house mouse)]

Official Symbol Srgap2

Synonyms Srgap2; SLIT-ROBO Rho GTPase activating protein 2; FBP; Fnb; FBP2; Fnbp2; srGAP3; AI448945; 9930124L22Rik; SLIT-ROBO Rho GTPase-activating protein 2; FBP-27; formin binding protein 2; formin-binding protein 27

Gene ID 14270

mRNA Refseq NM_001081011

Protein Refseq NP_001074480

UniProt ID Q91Z67

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