

# Recombinant Human SRGAP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SRGAP2-2433H    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

SRGAP2 MS Standard C13 and N15-labeled recombinant protein (NP\_056141) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

This locus encodes a member of the SLIT-ROBO Rho GTPase activating protein family. The encoded protein stimulates GTPase activity of Rac1, and plays a role in cortical neuron development. This locus has several paralogs on human chromosome 1 resulting from segmental duplication. While this locus itself is conserved among various species, the paralogs are found only in the genus Homo, and not in the genomes of non-human great apes. Alternatively spliced transcript variants have been described for this locus.

### Molecular Mass

120.7 kDa

### AA Sequence

MTSPAKFKKDKKEIIAEYDTQVKEIRAQLTEQMKCLDQQCELRVQLLQDLQDFFRKKA  
 EIEMDYSRNLEKLAERFLAKTRSTKDQQFKKDQNVLSPVNCWNLLLNQVKRESRDH  
 TTLSDIYLNNIIPRFVQVSEDSGRLFKKSKEVGGQLQDDLMKVLNELYSVMKTYHMY  
 NADSISAQSKLKEAEKQEEKQIGKSVKQEDRQTTPRSPDSTANVRIEEKHVRRSSVKK  
 IEKMKEKRQAKYTENKLAIKARNEYLLALEATNASVFKYYIHDLSDLIDQCCDLGYH  
 ASLNRALRTFLSAELNLEQSKHEGLDAIENAVENLDATSDKQRLMEMYNNVFCPPM

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KFEFQPHMGDMASQLCAQQPVQSELVQRCQQQLQSRLSTLKIENEEVKKTMEATLQ  
 TIQDIVTVEDFDVSDCFQYSNSMESVKSTVSETFMSKPSIAKRRANQQETEYFYFTK  
 MKEYLEGRNLITKLQAKHDLLQKTLGESQRTDCSLARRSSTVRKQDSSQAIPLVVES  
 CIRFISRHGLQHEGIFRVSGSQVEVNDIKNAFERGEDPLAGDQNDHDMDSIAGVLKL  
 YFRGLEHPLFPKDIFHDLMACVTMDNLQERALHIRKVLLVLPKTTLIIMRYLFAFLNHL  
 SQFSEENMMDPYNLAICFGPSLMSVPEGHDQVSCQAHVNELIKTIIHQHENIFPSPRE  
 LEGPVYSRGGSMEDYCDSPHGETTSVEDSTQDVTAEHHTSDDECEPIEAIKFDYV  
 GRTARELSFKKGASLLLYQRASDDWWEGRHNGIDGLIPHQYIVVQDTEGTVVERSS  
 PKSEIEVISEPPEEKVTARAGASCPSGGHVADIYLANINKQRKRPESGSIRKTRFSDS  
 HGLSSSLTDSSSPGVGASCRPSSQPIMSQSLPKEGPKCSISGHGSLNSISRHSSLK  
 NRLDSPQIRKTATAGRSKSFNNHRPMDPEVIAQDIEATMNSALNELRELERQSSVKH  
 TPDVVLDTLEPLKTSPVVAPTSEPSSPLHTQLLKDPEPAFQRSASTAGDIACAFRPVK  
 SVKMAAPVKPPATRPKPTVFPKTNATSPGVNSSTSPQSTDKSCTVSGPTRRTRRLEQ  
 KLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** SRGAP2 SLIT-ROBO Rho GTPase activating protein 2 [ Homo sapiens (human) ]

**Official Symbol** SRGAP2

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<b>Synonyms</b>	SRGAP2; SLIT-ROBO Rho GTPase activating protein 2; FNBP2; SRGAP3; SRGAP2A; ARHGAP34; SLIT-ROBO Rho GTPase-activating protein 2; SLIT-ROBO GAP2; formin-binding protein 2; rho GTPase-activating protein 34
<b>Gene ID</b>	<a href="#">23380</a>
<b>mRNA Refseq</b>	<a href="#">NM_015326</a>
<b>Protein Refseq</b>	<a href="#">NP_056141</a>
<b>MIM</b>	<a href="#">606524</a>
<b>UniProt ID</b>	<a href="#">O75044</a>

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