

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	MTSPAKFKKDKEIIAEYDTQVKEIRAQLTEQMKCLDQQCELRVQLLQDLQDFFRKKA EIEMDYSRNLEKLAERFLAKTRSTKDQQFKKDQNVLSPVNCWNLLLNQVKRESRDH TTLSDIYLNNIIPRFVQVSEDSGRLFKKSKEVGQQLQDDLMKVLNELYSVMKTYHMY NADSISAQSKLKEAEKQEEKQIGKSVKQEDRQTTPRSPDSTANVRIEEKHVRSSVKK IEKMKEKRQAKYTENKLKAIKARNEYLLALEATNASVFKYYIHDLSDLIDQCCDLGYH ASLNRALRTFLSAELNLEQSKHEGLDAIENAVENLDATSDKQRLMEMYNNVFCPPM

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KFEFQPHMGDMASQLCAQQPVQSELVQRCQQQLQSRLSTLKIENEEVKKTMEATLQ
TIQDIVTVEDFDVSDCFQYSNSMESVKSTVSETFMSKPSIAKRRANQQETEYFYFTK
MKEYLEGRNLITKLQAKHDLLQKTLGESQRTDCSLARRSSTVRKQDSSQAIPLVVES
CIRFISRHGLQHEGIFRVSGSQVEVNDIKNAFERGEDPLAGDQNDHDMDSIAGVLKL
YFRGLEHPLFPKDIFHDLMACVTMDNLQERALHIRKVLLVLPKTTLIIMRYLFAFLNHL
SQFSEENMMDPYNLAICFGPSLMSVPEGHDQVSCQAHVNELIKTIIHQHENIFPSPRE
LEGPVYSRGGSMEDYCDSPHGETTSVEDSTQDVTAEHHTSDDECEPIEAIKFDYV
GRTARELSFKKGASLLLYQRASDDWWEGRHNGIDGLIPHQYIVVQDTEGTVVERSS
PKSEIEVISEPPEEKVTARAGASCPSSGGHVADIYLANINKQRKRPESGSIRKTRSDS
HGLSSSLTDSSSPGVGASCRPSSQPIMSQSLPKEGPDKCSISGHGSLNSISRHSSLK
NRDLPQIRKTATAGRSKSFNNHRPMDPEVIAQDIEATMNSALNELRELERQSSVKH
TPDVVLDLTLEPLKTSPVVAPTSEPSSPLHTQLLKDPEPAFQRSASTAGDIACAFRPVK
SVKMAAPVKPPATRPKPTVFPKTNATSPGVNSSTSPQSTDKSCTVSGPTRTRRLEQ
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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Synonyms	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
Gene ID	23380
mRNA Refseq	NM_015326
Protein Refseq	NP_056141
MIM	606524
UniProt ID	O75044
SDS-PAGE	