

Product datasheet for TP324139

SRGAP2 (NM_015326) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human SLIT-ROBO Rho GTPase activating protein 2 (SRGAP2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC224139 representing NM_015326 Red =Cloning site Green =Tags(s)

MTSPAKFKKDKKEIIAEYDTQVKEIRAQLTEQMKCLDQQCELRVQLLQDLQDFFRKKAEIEMDYSRNLEKL
AERFLAKTRSTKDQQFKKQNVLSPVNCWNLLLNQVKRESRDHTTSLDIYLNIIIPRFVQVSEDSGRLFK
KSKEVGQQQLQDDLMKVLNELYSVMKTYHMYNADSISAQSKLKEAEKQEEKQIGKSVKQEDRQTPRSPDST
ANVRIEEKHVRRSSVKKIEKMKERQAKYTENKLAIKARNEYLLALEATNASVFYIYHDLSDLIDQCC
DLGYHASLNRLRFTLSAELNLEQSKHEGLDAIENAVENLDATSDKQRLMEMYNNVFCPPMKFEFQPHMG
DMASQLCAQQPVQSELVQRCQQQLSRLSTLKIENEEVKKTMEATLQTIQDQIVTVEFDVSDCFQYSNSME
SVKSTVSETFMSKPSIAKRRANQQETEYFTKMKYLEGRNLITKLQAKHDLLQKTLGESQRTDCSLAR
RSSTVRKQDSSQAIPLVWESCIRFISRHGLQHEGIFRVSGSQVEVNDIKNAFERGEDPLAGDQNDHDMDS
IAGVLKLYFRGLEHPLFPKDIFHDLMACVTMDNLQERALHIRKVLVLPKTTLIIMRYLFAFLNHLISQFS
EENMMDPYNLAICFGPSLMSVPEGHDQVSCQAHVNELIKTIIHQHENIFSPRELEGPVYSRGGSMEDYC
DSPHGETTSVEDSTQDVTAEHHTSDDECEPIEAIKFDYVGRARELSFKKGASLLLYQRASDDWWEGRH
NGIDGLIPHQYIVVQDTEGTVVERSSPKSEIEVISEPPEEKVTARAGASCPSGGHVADIYLANINKQRKR
PESGSIRKTFRSDSHGLSSSLTDSSSPGVGASCRPSSQPIMSQSLPKEGPKCSISGHGSLNSISRHSSL
KNRLDSPQIRKTATAGRSKSFNNHRPMDPEVIAQDIEATMNSALNELRELERQSSVKHTPDVLDLTLPL
KTSPVVAPTSEPSSPLHTQLLKDPEPAFQRSASTAGDIACAFRPVKSVMKMAAPVKPPATRPKPTVFPKTN
ATSPGVNSSTSPQSTDKSCTV

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

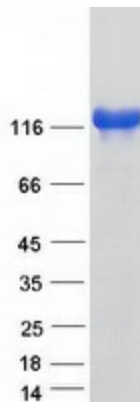
Tag:	C-Myc/DDK
Predicted MW:	120.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_056141
Locus ID:	23380
UniProt ID:	O75044 , B4DFE5
RefSeq Size:	6305
Cytogenetics:	1q32.1
RefSeq ORF:	3213
Synonyms:	ARHGAP34; FNBP2; SRGAP2A; SRGAP3
Summary:	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. [provided by RefSeq, Jul 2014]
Protein Pathways:	Axon guidance

Product images:



Coomassie blue staining of purified SRGAP2 protein (Cat# TP324139). The protein was produced from HEK293T cells transfected with SRGAP2 cDNA clone (Cat# [RC224139]) using MegaTran 2.0 (Cat# [TT210002]).