

## Product datasheet for **TP517088**

### Srgap2 (NM\_001081011) Mouse Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Purified recombinant protein of Mouse SLIT-ROBO Rho GTPase activating protein 2 (Srgap2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug  
**Species:** Mouse  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >MR217088 representing NM\_001081011  
**Red**=Cloning site **Green**=Tags(s)

MTSPAKFKKDKKEIIAEYDTQVKEIRAQLTEQMKCLDQQCELRVQLLQDLQDFFRKKAEIEMDYSRNLEKL  
AERFLAKTRSTKDQQFKKQNVLSPVNCWNLLLNQVKRESRDHTTSLDIYLNIIIPRFVQVSEDSGRLFK  
KSKEVGQQQLQDDLMKVLNELYSVMKTYHMYNADSISAQSKLKEAEKQEEKQIGKSVKQEDRQTPRSPDST  
ANVRIEEKHVRRSSVKKIEKMKERQAKYTENKPKAIKARNEYLLALEATNASVFYKYYIHDLSDIIDQCC  
DLGYHASLNRLRFTLSAELNLEQSKHEGLDAIENAVENLDATSDKQRLMEMYNNVFCPPMKFEFQPHMG  
DMASQLCAQQPVQSELVQRCQQQLSRLSTLKIENEVVKKTMEATLQTIQDIIVTVEFDVSDCFQYSNSME  
SVKSTVSETFMSKPSIAKRRANQQETEYFYFTKMKEYLEGRNLITKLQAKHDLLQKTLGESQRTDCSLAR  
RSSTVRKQDSSQAIPLVWESCIRFISRHGLQHEGIFRVSGSQVEVNDIKNAFERGEDPLAGDQNDHDMDS  
IAGVLKLYFRGLEHPLFPKDIFHDLIACVTMDNLQERAVHIRKVLVLPKPTLIIMRYLFAFLNHLSQFS  
EENMMDPYNLAICFGPSLMSVPEGHDQVSCQAHVNELIKTIIIQHENIFPNPRELEGPIYSRGGSMEDYC  
DSTHGETTSAEDSTQDVTAEHHTSDDECEPIEAIKFDYVGRTARELSFKKGASLLLYQRASDDWWEGRH  
NGIDGLIPHQYIVVQDTEGTVVERSSPKSEIEVMSEPEEKVTARTGASCPGGHVADIYLANINKQRKR  
PESGSIRKAFRSDSHGLGSSLTSSSLGVGASCRPSSQPIMSQNLKPEGPKCSISGHGSLNSISRHSSL  
KNRMDSPQIRKTATAGRSKSFNNHRPMDPEVIAQDIEATMNSALNELQELERQSSAKHTPDVVLDTLEPL  
KTSPVVAPTSEPSSPLHTQLLKDPEPAFQRSASTAGDIACAFRPVKSVMKMAAPVKPPATRPKPTVFPKTN  
ATSPGVNSSASPQATDKSCTV

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-MYC/DDK  
**Predicted MW:** 120.8 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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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001074480</a>
<b>Locus ID:</b>	14270
<b>UniProt ID:</b>	<a href="#">Q91Z67</a>
<b>RefSeq Size:</b>	8040
<b>Cytogenetics:</b>	1 E4
<b>RefSeq ORF:</b>	3213
<b>Synonyms:</b>	9930124L22Rik; AI448945; FBP2; Fnbp2; srGAP3
<b>Summary:</b>	<p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p>