

Product datasheet for **TP501691**

Rap1a (NM_145541) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse RAS-related protein 1a (Rap1a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR201691 representing NM_145541
Red=Cloning site **Green**=Tags(s)

MREYKLVVLGSGGVGKSALTVQFVQGIFVEKYDPTIEDSYRKQVEVDCQQCMLEILDTAGTEQFTAMRDL
YMKNGQGFALVYSITAQSTFNDLQDLREQILRVKDTEDVPMILVGNKCDLEDERVVGKEQGQNLARQWCN
CAFLESSAKSKINVNEIFYDLVRQINRKTPEKKKPKKKSCLLL

TRTRPLE**Q**KLISEED**LA**ANDILDY**K**DDDD**KV**

Tag: C-MYC/DDK

Predicted MW: 21.4 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

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 after receiving vials.

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_663516](#)

Locus ID: 109905

UniProt ID: [P62835](#), [Q3V3W9](#), [Q3U7U8](#)

RefSeq Size: 2474

Cytogenetics: 3 46.45 cM



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RefSeq ORF: 552

Synonyms: AI848598; G-22K; Krev-1; Rap1

Summary: Induces morphological reversion of a cell line transformed by a Ras oncogene. Counteracts the mitogenic function of Ras, at least partly because it can interact with Ras GAPs and RAF in a competitive manner. Together with ITGB1BP1, regulates KRIT1 localization to microtubules and membranes (By similarity). Plays a role in nerve growth factor (NGF)-induced neurite outgrowth. Plays a role in the regulation of embryonic blood vessel formation. Involved in the establishment of basal endothelial barrier function. May be involved in the regulation of the vascular endothelial growth factor receptor KDR expression at endothelial cell-cell junctions. [UniProtKB/Swiss-Prot Function]