

## Product datasheet for TP509194

### Rangap1 (NM\_011241) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse RAN GTPase activating protein 1 (Rangap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209194 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MASEDIAKLAETLAKTQVAGGQLSFKGKGLKLNATAEDAKDVIKEIEEFDGLEALRLEGNTVGVAAARVIA  
KALEKKSELKRCHWSDMFTGRLRSEIPPALISLGEGLITAGAQLVELDLSDNAFGPDGVRGFEALLKSPA  
CFTLQELKLNNCGMGIGGGKILAAALTECHRKSSAQGKPLALKVFAVGRNRENDGATALAEAFGIIGTL  
EEVHMPQNGINHPGVTALAQAFAINPLLRVINLNDNTFTEKGGVAMAETLKTLRQVEVINFGDCLVRSKG  
AVAIADAVRGGPLPKLKELNLSFCEIKRDAALVVAEAVADKAELEKLDLNGNALGEEGCEQLQEVMDSFNM  
AKVLASLSDDEGEDEDEEEEGEEDDEEEDEEEDDDDEEEEQEEEEPPQRGSGEEPATPSRKILDPN  
SGEPAPVLSPTPTDLSTFLSFPSPKLLRLGPKVSVLIVQQTDTSDPEKVVSAFLKVASVFRDDASVKT  
AVLDAIDALMKKAFSCSSFNSTFLTRLLIHMGLLKSEDKIKAIPSLHGPLMVLNHVVRQDYFPKALAPL  
LLAFVTKPNGALETCSFARHNLLQTLYNI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	63.5 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.



[View online »](#)

RefSeq:	<u>NP_035371</u>
Locus ID:	19387
UniProt ID:	<u>P46061</u>
RefSeq Size:	3002
Cytogenetics:	15 38.21 cM
RefSeq ORF:	1770
Synonyms:	C79654; Fug1; mKIAA1835
Summary:	GTPase activator for RAN. Converts cytoplasmic GTP-bound RAN to GDP-bound RAN, which is essential for RAN-mediated nuclear import and export (PubMed:18305100). Mediates dissociation of cargo from nuclear export complexes containing XPO1, RAN and RANBP2 after nuclear export (By similarity). Required for postimplantation embryonic development (PubMed:8314081).[UniProtKB/Swiss-Prot Function]