

## Product datasheet for **RC238995**

### **RANGAP1 (NM\_001278651) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	RANGAP1 (NM_001278651) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RANGAP1
Synonyms:	Fug1; RANGAP; SD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC238995 representing NM\_001278651  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTCGGAAGACATTGCCAAGCTGGCAGAGACACTTGCCAAGACTCAGGTGGCCGGGGACAGCTGA  
 GTTTCAAAGGCAAGAGCCTCAAACCTCAACACTGCAGAAGATGCTAAAGATGTGATTAAAGAGATTGAAGA  
 CTTTGACAGCTTGAGGGCTCTGCGTCTGGAAGGCAACACAGTGGGCGTGAAGCAGCCAGGGTCATCGCC  
 AAGGCCTTAGAGAAGAAGTCGGAGTTGAAGCGCTGCCACTGGAGTGACATGTTACCGGGAAGGCTGCGGA  
 CCGAGATCCCACCAGCCCTGATCTCACTAGGGGAAGGACTCATCACAGCTGGGGCTCAGCTGGTGGAGCT  
 GGACTTAAGCGACAACGCATTGGGGCCGACGGTGTGCAAGGCTTCGAGGCCCTGCTCAAGAGCTCAGCC  
 TGCTTCACCTGCAGGAAGCTCAAGCTCAACAAGTGGCATGGCATTGGCGGGCAAGATCCTGGCTG  
 CAGCTCTGACCGAATGTACCGGAAATCCAGTGCCCAAGGCAAGCCTCTGGCCCTGAAGGCTTTTGTGGC  
 TGGCAGAAACCGTCTGGAGAATGATGGCGCCACTGCCTTGGCAGAAGCTTTTAGGGTCATCGGGACCTG  
 GAGGAGGTCCACATGCCACAGAATGGGATCAACCACCCTGGCATCACTGCCCTGGCCAGGCTTTCGCTG  
 TCAACCCCTGCTGCGGGTCATCAACCTGAATGACAACACCTTCACTGAGAAGGGCGCCGTGGCCATGGC  
 CGAGACCTTGAAGACCTTGCAGCAGGTGGAGGTGATTAATTTGGGGACTGCCTGGTGCCTCAAGGGT  
 GCAGTTGCCATTGCAGATGCCATCCGCGCGGCCCTGCCAAGCTAAAGGAGCTGAAGTGTCTATTCTGTG  
 AAATCAAGAGGGATGTGCCCTGGCTGTTGCTGAGGCCATGGCAGACAAAGCTGAGCTGGAGAAGCTGGA  
 CCTGAATGGCAACACCCTGGGAGAAGAAGGCTGTGAACAGCTTCAGGAGGTGCTGGAGGGCTTCAACATG  
 GCCAAGGTGCTGGCGTCCCTCAGTGATGACGAGGACGAGGAGGAGGAGGAGGAAGGAGAAGGAAGAAG  
 AGGAAGCAGAAGAAGAGGAGGAGGAAGATGAGGAAGAGGAGGAAGAAGAGGAGGAGGAGGAAGAAGA  
 GCCTCAGCAGCGAGGGCAGGGAGAGAAGTCAAGCCAGCCCTCACGGAAGATTCTGGACCCTAACACTGGG  
 GAGCCAGCTCCCGTGTCTCCTCCACCTCCTGCAGACGCTCCACCTTCTGGCTTTTCCCTCTCCAG  
 AGAAGCTGCTGCGCCTAGGGCCCAAGAGCTCCGTGCTGATAGCCAGCAGACTGACACGCTGACCCCGA  
 GAAGGTGGTCTCTGCCTTCTAAAGGTGTCTGTTCAAGGACGAAGCTACTGTGAGGATGGCAGTG  
 CAGGATGCAGTAGATGCCCTGATGCAGAAGGCTTCAACTCCTCGTCTTCAACTCCAACACCTTCTCA  
 CCAGGCTCCTCGTGCACATGGTCTGCTCAAGAGTGAAGACAAGGTCAAGGCCATTGCCAACCTGTACGG  
 CCCCTGATGGCGCTGAACCACATGGTGCAGCAGGACTATTTCCCAAGGCCCTGCACCCTGCTGCTG  
 GCGTTCGTGACCAAGCCCAACAGCGCCCTGGAATCCTGCTCCTTCGCCCGCCACAGTCTGCTGCAGACG  
 GTACAAGGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238995 representing NM\_001278651  
 Red=Cloning site Green=Tags(s)

MASEDIAKLAETLAKTQVAGGQLSFKGKSLKLNLAEDAKDVIKEIEDFDSLEALRLEGNVTGVVEAARVIA  
 KALEKKSELKRCHWSDMFTGRLRTEIPPALISLGEGLITAGAQLVELDLSDNAFGPDGVQGFALLKSSA  
 CFTLQELKLNCGMGIGGGKILAAALTECHRKSSAQGKPLALKVVFVAGRNRLENDGATALAEAFRVIPTL  
 EEVHMPQNGINHPGITALAQAFVNPLLRVINLNDNTFTEKGAVAMAETLKTLRQVEVINFGDCLVRKSG  
 AVAIADAIRGGLPKLKLNL SFCEIKRDAALVAEAMADKAELEKLDLNGNTLGEEGCEQLQEVLEGFNM  
 AKVLASLSDDEDEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEPQQRGQGEKSATPSRKILDPNTG  
 EPAPVLSPPPADVSTFLAFPSPEKLLRLGPKSSVLIQQTDTSDPEKVVSAFLKVSSVFKDEATVRMAV  
 QDAVDALMQAFNSSFNSNTFLTRLLVHMGLLKSEDKVKAIANLYGPLMALNHMVQDYFPKALAPLLL  
 AFVTKPNSALESCSFARHSLLTLYKV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6199\\_b04.zip](https://cdn.origene.com/chromatograms/mk6199_b04.zip)



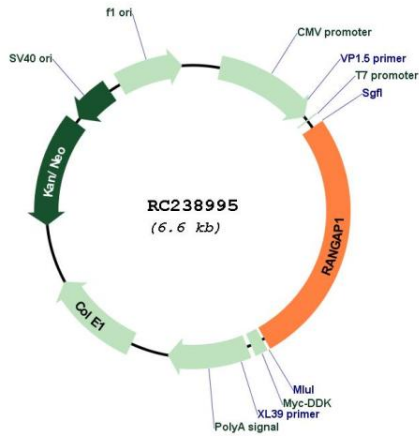
UniProt ID: [P46060](#)

Cytogenetics: 22q13.2

MW: 63.5 kDa

**Gene Summary:** This gene encodes a protein that associates with the nuclear pore complex and participates in the regulation of nuclear transport. The encoded protein interacts with Ras-related nuclear protein 1 (RAN) and regulates guanosine triphosphate (GTP)-binding and exchange. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

**Product images:**



Circular map for RC238995