

## pEGFP-C2-RanBPM

71-001-1      1 ug

Full-sized Human RanBPM cDNA is fused to the C-terminus of EGFP (Enhanced Green Fluorescence Protein) on pEGFP-C2 vector (Clontech). It was constructed by Prof. T. Nishimoto. After his retirement, it will be sent to academic colleagues upon request by BioAcademia. It will be charged \$200 (or 20,000 yen) for amplification, maintenance and packaging.

### Applications:

By introducing the plasmid into mammalian cells, RanBPM is expressed as a fusion protein with FEGF. It is useful to study the localization of RanBPM in cell compartments and interactions with functionally related proteins.

**Concentration of DNA:** 500 ng/ul

**Antibiotic selection markers:** Kanamycin/Neomycin resistance for *E. coli* host  
G418 resistance for mammalian cells

### Reference:

Nishitani H *et al* "Full-sized *RanBPM* cDNA encodes a protein possessing a long stretch of proline and glutamine within the N-terminal region, comprising a large protein complex" *Gene* **272**: 25-33 (2001)  
PMID: [11470507](https://pubmed.ncbi.nlm.nih.gov/11470507/)

### Conditions of the plasmid transfer

1. This plasmid should be used for research purpose only, not for commercial purpose.
2. The backbone vector pEGFP-C2 should not be recreated and reused for construction of other fusion genes.
3. This plasmid should not be transferred to other laboratories.