

## Recombinant Human Rnd1

**CATALOG NUMBER:** STA-744

**STORAGE:** -80°C; avoid freeze/thaw cycles

**QUANTITY:** 20 µg/vial in Tris-HCl, pH 8.0 with 0.1 M NaCl, 1 mM DTT and 30% glycerol

**SHELF LIFE:** 1 year from date of receipt under proper storage conditions; for longer term storage add 0.1% BSA

### **Background**

Small GTP-binding proteins (or GTPases) are a family of proteins that serve as molecular regulators in signaling transduction pathways. Rnd1 regulates a variety of biological response pathways that include cell adhesion, actin assembly and stress fibers. Like other small GTPases, Rnd1 regulates molecular events by cycling between an inactive GDP-bound form and an active GTP-bound form.

### **Purity and Activity**

Cell Biolabs' rRnd1 is expressed and purified from *E. coli* as a recombinant protein with purity >95% by SDS-PAGE. It has an approximate MW of 24.5 kDa including a His-tag at the N-terminus.

### **Sequence**

MGSSHHHHHHSSGLVPRGSHMKERRAPQPVVARCKLVLVGDVQCGKTAMLQVLAKDCYPETY  
VPTVFENYTACLEEEQRVELSLWDTSGSPYYDNVRPLCYSDSDAVLLCFDISRPETVDSALKKW  
RTEILDYCPSTRVLLIGCKTDLRTDLSTLMELSHQKQAPISYEQGCAIAKQLGAEIYLEGSAFTSEK  
SIHSIFRTASMLCLNKPSPLPQKSPV

### **References**

1. Wennerberg, K. et al. (2003) *Curr. Biol.* **13**, 1106-1115.
2. Vaysierre, B. et al. (2000) *FEBS Lett.* **467**, 91-96.

### **Warranty**

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