

## Recombinant Human R-Ras

**CATALOG NUMBER:** STA-750

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

**QUANTITY:** 10 µg/vial in Tris-HCl, pH 7.5 with 0.1 M NaCl and 10% 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. Ras-related protein R-Ras is a member of the Ras subfamily of Small GTPases. R-Ras interacts with A-Raf, Bcl-2, NCK1 and RalGDS and regulates the actin cytoskeleton organization.

### **Purity and Activity**

Cell Biolabs' rR-Ras is expressed and purified from *E. coli* as a recombinant protein with purity >85% by SDS-PAGE. It has an approximate MW of 25.3 kDa including a His-tag at the N-terminus.

### **Sequence**

MGSSHHHHHHSSGLVPRGSHMSSGAASGTGRGRPRGGGPGPGDPPPSETHKLVVVGGGGVGKS  
ALTIQFIQSYFVSDYDPTIEDSYTKICSVDGIPARLDILDTAGQEEFGAMREQYMRAGHGFLLVFAI  
NDRQSFNEVGKLFTQILRVKDRDDFPVVLVGNKADLESQRQVPRSEASAFGASHHVAYFEASAK  
LRLNVDEAFEQLVRAVRKYQEQLPPSPPSAPRKKGGGCP

### **References**

1. Zhang Z. et al. (1996) *Cell* **85**: 61-69.
2. Ramos J.W. et al. (1998) *J. Biol. Chem.* **273**: 33897-33900.
3. Keely P.J. et al. (1999) *J. Cell Biol.* **145**: 1077-1088.
4. Huff S.Y. et al. (1997) *Oncogene* **14**: 133-143.
5. Wang H.G. et al. (1995) *J. Cell Biol.* **129**: 1103-1114.

### **Warranty**

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