

Recombinant Human Rnd3

CATALOG NUMBER: STA-745

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

QUANTITY: 20 µg/vial in Tris-HCl, pH 8.0 with 0.1 M NaCl, 1 mM EDTA, 1 mM DTT and 40% 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. Rnd3 regulates a variety of biological response pathways that include cell adhesion, cell migration and the cell cycle. Like other small GTPases, Rnd3 regulates molecular events by cycling between an inactive GDP-bound form and an active GTP-bound form.

Purity and Activity

Cell Biolabs' rRnd3 is expressed and purified from *E. coli* as a recombinant protein with purity >90% by SDS-PAGE. It has an approximate MW of 29.2 kDa including a His-tag at the N-terminus.

Sequence

MGSSHHHHHSSGLVPRGSHMKERRASQKLSSKSIMDPNQNVKCKIVVVGDSQCGKTALLHVF
AKDCFPENYVPTVFENY TASFEIDTQRIELSLWDTSGSPYYDNVRPLSYPDSDAVLICFDISRPETL
DSVLKKWKGEIQEFCPNTKMLLVGCKSDLRTDVSTLVELSNHRQTPVSYDQGANMAKQIGAAT
YIECSALQSENSVRDIFHVATLACVNKTNKNVKNKSQRATKRISHMPSPPELSAVATDLRKDKA
KSC

References

1. Wennerberg, K. et al. (2003) *Curr. Biol.* **13**, 1106-1115.

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