

Recombinant Human RERG

CATALOG NUMBER: STA-738

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

QUANTITY: 10 µg/vial in Tris-HCl, pH 8.0 with 0.2 M NaCl, 5 mM DTT and 50% 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-like estrogen-regulated growth inhibitor (RERG), a member of the Ras superfamily, is a cytoplasm-localized protein that regulates a variety of biological response pathways that include cell proliferation and tumor formation.

Purity and Activity

Cell Biolabs' rRERG is expressed and purified from *E. coli* as a recombinant protein with purity >85% by SDS-PAGE. It has an approximate MW of 24.7 kDa including a His-tag at the N-terminus.

Sequence

MGSSHHHHHHSSGLVPRGSHMAKSAEVKLAIFGRAGVGKSALVVRFLTKRFIWEYDPTLESTYR
HQATIDDEVVSMEILDTAGQEDTIQREGHMRWGEGFVLVYDITDRGSFEEVLPLKNILDEIKKPKN
VTLLVGNGKADLDHSRQVSTEEGEKLATELACAFYECSACTGEGNITEIFYELCREVRRRRMVQG
KTRRRSSTTHVKQAINKMLTKISS

References

1. Finlin, B.S. et al. (2001) *J. Biol. Chem.* **276**, 42259-42267.
2. Key, M.D. et al. (2006) *Methods Enzymol.* **407** 513-527.

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