

## RERG Human

**Description:**RERG Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 219 amino acids (1-199 a.a.) and having a molecular mass of 24.7kDa (Molecular size on SDS-PAGE will appear higher). The RERG is purified by proprietary chromatographic techniques.

Catalog #:PRPS-113

For research use only.

**Synonyms:**Ras-related and estrogen-regulated growth inhibitor, RERG, MGC15754.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MAKSAEVKLA IFGRAGVGKS  
ALVVRFLTKR FIWEYDPTLE STYRHQATID DEVVSMEILD TAGQEDTIQR EGHMRWGEGF  
VLVYDITDRG SFEEVPLKN ILDEIKKPKN VTLILVGNKA DLDHSRQVST EEGEKLATEL  
ACAFYECSAC TGEGNITEIF YELCREVRRR RMVQGKTRRR SSTTHVKQAI NKMLTKISS.

**Purity:**Greater than 85.0% as determined by SDS-PAGE.

### Formulation:

The RERG solution (0.25 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 5mM DTT and 50% glycerol.

### Stability:

RERG should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### Introduction:

RERG is a 199 amino acid protein which localizes in the cytoplasm and is a member of the Ras subfamily of small GTPases. RERG is expressed in the pancreas, liver, skin, lung, brain, kidney and heart tissue. RERG is a vital mediator of diverse cell signaling pathways, including those leading to cell proliferation, cytoskeletal organization and secretion.

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