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# Recombinant human RERG protein

Catalog Number: ATGP0921

# **PRODUCT INFORMATION**

### **Expression system**

E.coli

#### **Domain**

1-199aa

#### **UniProt No.**

O96A58

#### **NCBI Accession No.**

NP 116307

#### **Alternative Names**

Ras-related and estrogen-regulated growth inhibitor, MGC15754

# PRODUCT SPECIFICATION

### **Molecular Weight**

24.7 kDa (219aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

#### Concentration

0.25mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 5mM DTT, 50% glycerol

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

### **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

RERG is a 199 amino acid protein that localizes in the cytoplasm and belongs to the Ras subfamily of small GTPases. RERG is expressed in pancreas, liver, skin, lung, brain, kidney and heart tissue. It is critical mediators of diverse cell signaling pathways, including those leading to cell proliferation, cytoskeletal organization and secretion. Recombinant human RERG protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

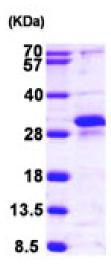
MGSSHHHHHH SSGLVPRGSH MAKSAEVKLA IFGRAGVGKS ALVVRFLTKR FIWEYDPTLE STYRHQATID DEVVSMEILD TAGQEDTIQR EGHMRWGEGF VLVYDITDRG SFEEVLPLKN ILDEIKKPKN VTLILVGNKA DLDHSRQVST EEGEKLATEL ACAFYECSAC TGEGNITEIF YELCREVRRR RMVQGKTRRR SSTTHVKQAI NKMLTKISS

#### **General References**

Woodfield GW., et al. (2007) Cancer Res. 67(18):8439-43. Finlin BS., et al. (2001) J Biol Chem. 276(45):42259-67.

# **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

