

Recombinant Human RERG protein, His-tagged

Cat. No. RERG-3436H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RERG(1-199aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-199 a.a.
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.
Form	Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl, 5mM DTT, 50% glycerol
Molecular Mass	24.7 kDa (219aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
AA Sequence	MGSSHHHHHH SSGLVPRGSHEGHMRWGEGF VLVYDITDRG SFEEVLPLKN ILDEIKKPKN VTLILVG NKA DLDHSRQVST EEGEKLATEL ACAFYEC SAC TGEGNITEIF MAKSAEVKLA IFGRAGVGKS ALVVRFLTKR FIWEYDPTLE STYRHQATID DEVVSMEILD TAGQEDTIQRYELCREVRRR RMVQGKTRRR

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SSTTHVKQAI NKMLTKISS

Purity >85% by SDS - PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name RERG RAS-like, estrogen-regulated, growth inhibitor [Homo sapiens]

Official Symbol RERG

Synonyms RERG; RAS-like, estrogen-regulated, growth inhibitor; ras-related and estrogen-regulated growth inhibitor; MGC15754;

Gene ID 85004

mRNA Refseq NM_032918

Protein Refseq NP_116307

MIM 612664

UniProt ID Q96A58

Chromosome Location 12p13.1

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Function

GDP binding; GTP binding; GTPase activity; estrogen receptor binding; nucleotide binding;

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