

Recombinant Human Ras Homolog Gene Family, Member A

Cat. No. RHOA-1145H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	E.coli
Description	A small GTPase of the Ras superfamily. Regulates stress fiber formation in response to growth factor stimulation.
Usage	For in vitro use only.
Form	Liquid. Supplied in 25 mM HEPES pH 7.2, 40 mM NaCl, 5 mM DTT, 2 mM MgCl ₂ and 10 mM GDP.
Purity	> 90% by SDS-PAGE.
Storage	Quality guaranteed for 12 months, Store at -80°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	RHOA ras homolog gene family, member A [Homo sapiens]
Synonyms	RHOA; ras homolog gene family, member A; ARHA; ARH12; RHO12; RHOH12; oncogene RHO H12; Aplysia ras-related homolog 12; small GTP binding protein RhoA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	387
mRNA Refseq	NM_001664
Protein Refseq	NP_001655
MIM	165390
UniProt ID	P61586
Chromosome Location	3p21.3
Pathway	Adherens junction; Axon guidance; Chemokine signaling pathway; Colorectal cancer; Leukocyte transendothelial migration; Neurotrophin signaling pathway; Pathogenic Escherichia coli infection; Regulation of actin cytoskeleton; T cell receptor signaling pathway; TGF-beta signaling pathway; Tight junction; Vascular smooth muscle contraction; Wnt signaling pathway; Signaling by Rho GTPases; Signaling by GPCR; Signalling by NGF
Function	GTP binding; GTPase activity; magnesium ion binding; myosin binding; nucleotide binding; protein binding

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