
Product Data Sheet

Product Name: RHOA Human
 Cat. No.: GP24383
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transforming protein RhoA; Rho cDNA clone 12; h12; RHOA; ARH12; ARHA; RHO12; RHOH12.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMAA IRKKLVIVGD GACGKTCLLI VFSKDQFPEV YVPTVFENYV ADIEVDGKQV ELALWDTAGQ EDYDRLRPLS YPDTDVILMC FSIDSPDSLE NIPEKWTPEV KHFCPNVPII LVGNKKDLRN DEHTRRELAK MKQEPVKPEE GRDMANRIGA FGYMECSAKT KDG VREVFEM ATRAALQARR GKKKSGC.		
Formulation	The RHOA solution (1 mg/ml) 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

RhoA is a member of the small GTPase superfamily, Rho family, whose members are involved in the regulation and timing of cell division. RHOA is a small GTPase protein which acts to regulate the actin cytoskeleton in the formation of stress fibers and also upon 2 known effector proteins: ROCK1 (Rho-associated, coiled-coil containing protein kinase 1) and DIAPH1 (diaphanous homolog 1 (Drosophila)).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

RHOA Human Recombinant fused with a 37 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 227 amino acids (1-190 a.a.) and having a molecular mass of 25.7kDa (Molecular size on SDS-PAGE will

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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appear higher). The RHOA is purified by proprietary chromatographic techniques.

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