
Product Data Sheet

Product Name: RHOQ Human
 Cat. No.: GP24386
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ARHQ; RASL7A; TC10; TC10A; Rho-related GTP-binding protein RhoQ; Ras-like protein TC10; Ras-like protein family member 7A; RHOQ.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAGPGA LMLKCVVGD GAVGKTCLLM SYANDAFPEE YVPTVFDHYA VSVTVGGKQY LLGLYDTAGQ EDYDRLRPLS YPMTDVFLIC FSVVNPASFQ NVKEEWVPEL KEYAPNVPFL LIGTQIDLRD DPKTLARLND MKEKPICVEQ GQKLAKEIGA CCYVECSALT QKGLKTVFDE AIIAILTPKK HTVKKRIGSR CINCC.		
Formulation	RHOQ protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT.		

Introduction

RHOQ (rho-related GTP-binding protein RhoQ) is a small signaling G protein which cycles between an active GTP-bound and an inactive GDP-bound state. In the active state it binds to a diversity of effector proteins to regulate cellular responses. Ras-like protein belongs to the Rac subfamily of the Rho family of GTPases. RHOQ is involved in epithelial cell polarization processes. In addition, RHOQ plays a role in CFTR trafficking to the plasma membrane. RHOQ causes the formation of thin, actin-rich surface projections called filopodia.

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

RHOQ Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

Caution: Product has not been fully validated for medical applications. For research use only.

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

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

Product Data Sheet

chain containing 225 amino acids (1-202 a.a) and having a molecular mass of 24.7kDa. RHOQ is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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

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