

## 32-4657: Recombinant Human Ras Homolog Gene Family Member Q

**Alternative Name :** ARHQ,RASL7A,TC10,TC10A,Rho-related GTP-binding protein RhoQ,Ras-like protein TC10,Ras-like protein family member 7A,RHOQ.

### Description

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

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** RHOQ protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 1mM DTT.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MGSMAHGPGA LMLKCVVVD GAVGKTCLLM SYANDAFPEE  
YVPTVFDHYA VSVTVGGKQY LLGLYDTAGQ EDYDRLRPLS YPMTDVFLIC FSVVNPASFQ NVKEEWWPEL  
KEYAPNVPFL LIGTQIDL RD DPKTLARLND MKEKPICVEQ GQKLAKEIGA CCYVECSALT QKGLKTVFDE  
AIIAILTPKK HTVKKRIGSR CINCC.

