

## 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

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

