

**RhoG, 1-188aa, Human, His tag, E.coli**

**Cat.NO.: TP03737**

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3th Edition

**Synonyms:**Rho-related GTP-binding protein RhoG, ARHG

**Description:**RhoG(Ras homology Growth-related) is a member of the Rac subfamily of the Rho family of small G proteins. RhoG is a small monomeric GTP-binding protein (G protein), and is an important component of many intracellular signalling pathways. This protien are required for the formation of membrane ruffles during macropinocytosis. It plays a role in cell migration and is required for the formation of cup-like structures during trans-endothelial migration of leukocytes.

**Form:**Liquid. In 20 mM Tris-HCl buffer, pH8.0, 40% glycerol, 5mM DTT, 200mM NaCl

**Molecular Weight:**25.2kDa (225aa) confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMQSIKCVVVG DGAVGKTCLLIC YTTNAFPKEYIPTV  
FDNYS AQS AVDGR TVNLNLWDTAGQEEYDRLR T L S Y P Q T N V F I C F S I A S P P S Y E N V R H K W H P E V C H H C P D V P I L L  
V G T K K D L R A Q P D T L R R L K E Q G Q A P I T P Q Q G Q A L A K Q I H A V R Y L E C S A L Q Q D G V K E V F A E A V R A V L N P T P I K R G R S C

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.