

# Recombinant Human RAP1GAP Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08007

**Protein Name:** Rap1 Gtpase Activating Protein (RAP1GAP)

**Aliases:** RAPGAP; RAP1GA1; RAP1GAP1; RAP1GAPII; RAP1 GTPase activating protein

**UniProt ID:** P47736

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P47736/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-663aa)

**Molecular Weight:** 80.3 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (1-663aa)

MIEKMQGSRMDEQRCSFPPPLKTEEDYIPYPSVHEVLGREGPFPLILLPQFGGYWIE  
GTNHEITSIPETEPLQSPTTKVKLECNPTARIYRKHFLGKEHFNYYSLDAALGHLVFS  
LKYDVIQDQEHLRLLLRTKCRTHYHDVIPISCLTEFPNVVQMAKLVCEVDNVDRFYPVL  
YPKASRLIVTFDEHVISNNFKFGVVIYQKLGQTSEEELFSTNEESPAFVEFLEFLGQKV  
KLQDFKGFRRGGLDVTHGQTGTESVYCNFRNKEIMFHVSTKLPYTEGDAQQLQRKR  
HIGNDIVAVVFQDENTPFVPMASNFLHAYVVVQAEGGGPDGPLYKVSVTARDDV  
PFFGPPLPDPAVFRKGPEFQEFLLTKLINA EYACYKAEKFAKLEERTRAALLETLYEE  
LHIHSQSMMLGGDEDKMENGSGGGGFFESFKRVIRSRSSQSMAMGLSNKKPNT  
VSTSHSGSFAPNNPDLAKAAGISLIVPGKSPTRKKSGPFGSRRSSAIGIENIQEVQEK  
RESPPAGQKTPDSGHVSQEPKSENSSTQSSPEMPTTKNRAETAAQRAEALKDFSR  
SSSSASSFASVVEETEGVDGEDTGLSVSSSGTPHKRDSFIYSTWLEDSVSTTSGG  
SSPGPSRSPHPDAGKLGDPACPEIKIQLEASEQHMPQLGC

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements)



**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

## 4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## 5. Product Description

This product is a recombinant Human RAP1GAP full length protein (1-663aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. RAP1GAP, also known as RAPGAP or RAP1GA1 or RAP1GAP1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## 6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.