

# Recombinant Human SYNGAP1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08386

**Protein Name:** Neuronal Rasgap (SYNGAP1)

**Aliases:** MRD5; RASA5; SYNGAP; neuronal RasGAP; ras/Rap GTPase-activating protein SynGAP; synaptic Ras GTPase activating protein 1 homolog

**UniProt ID:** Q96PV0

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q96PV0/entry>

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

**Expression System:** E.coli

**Protein Length:** Partial (1161-1343aa)

**Molecular Weight:** 25.5 kDa

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

## 2. Amino Acid Sequence (1161-1343aa)

MPHLSADIESAHIEREEYKLKEYSKSMDESRLDRVKEYEEEEIHSLKERLHMSNRKLE  
EYERRLLSQEEQTSKILMQYQARLEQSEKRLRQQQAEKDSQIKSIIGRLMLVEEELR  
RDHPAMAEPLPEPKRLLDAQERQLPPLGPTNPRVTLAPPWNGLAPPAPPPPPRL  
QITENGEFRNTADH

## 3. Storage Buffer

**Liquid Delivery Form:** Tris-based buffer with 50% glycerol.

**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 SYNGAP1 partial protein (1161-1343aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. SYNGAP1, also known as MRD5 or RASA5 or SYNGAP, 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.