

Recombinant Human RABGEF1 Protein Product Manual

1. Product Basic Information

Product No.: REP07997

Protein Name: Rabex-Rab5 Gdp/Gtp Exchange Factor (RABGEF1)

Aliases: RAP1; RABEX5; rabex-rab5 GDP/GTP exchange factor

UniProt ID: Q9UJ41

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UJ41/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Isoform 2 (1-491aa)

Molecular Weight: 72.9kDa

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

2. Amino Acid Sequence (1-491aa)

MSLKSERRGIVHDQSDLLCKKGCYYGNPAWQGFCSKWCWREEYHKARQKQIQED
WELAERLQREEEAFASSQSSQGAQSLTFSKFEEKKTNEKTRKVTTVKKFFSASSR
VGSKKEIQEAKAPSPSINRQTSIETDRVSKEFIEFLKTFHKTGQEIYKQTKLFLEGMH
YKRDLSIEEQSECAQDFYHNVAERMQTRGKVPPEVEKIMDQIEKYIMTRLYKYVFC
PETTDDEKKDLAIQKRIRALRWVTPQMLCVPVNEDIPEVSDMVVKAITDIEMDSKRV
PRDKLACITKCSKHIFNAIKITKNEPASADDFLPTLIYIVLKGNNPRLQSNIQYITRFCN
PSRLMTGEDGYFTNLCCAVAFIEKLDAQSLNLSQEDFDRYMSGQTSRQKQEAES
WSPDACLGVKQMYKNLDDLSQLNERQERIMNEAKKLEKDLIDWTDGIAREVQDIVE
KYPLEIKPPNQPLAAIDSENVENDKLPPPLQPQVYAG

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 when placing orders).

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 RABGEF1 full length of isoform 2 protein (1-491aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. RABGEF1, also known as RAP1 or RABEX5 or rabex-rab5 GDP/GTP exchange factor, 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.