

# Recombinant Human RPA1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08083

**Protein Name:** Rp-A P70 (RPA1)

**Aliases:** HSSB; RF-RP-REPA1; RPA70; MST075; MSTP075; PFBMFT6; RP-A p70; RF-A protein replication protein A1; replication protein A1, 70kDa; replication protein A 70 kDa DNA-binding subunit

**UniProt ID:** P27694

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P27694/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (2-616aa)

**Molecular Weight:** 84.0kDa

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

## 2. Amino Acid Sequence (2-616aa)

VGQLSEGAIAAIMQKGDNTNIKPIQVINIRPITGNSPPRYRLLMSDGLNTLSSFMLAT  
QLNPLVEEEQLSSNCVCQIHRFIVNTLKDGRRVVILMELEVLKSAEAVGVKIGNPV  
PY NEGLGQPQVAPPAPAASPAASSRPQPQNGSSGMGSTVSKAYGASKTFGKAAGPS  
LSHTSGGTQSKVPIASLTPYQSKWTICARVTNKSQIRTWSNSRGEGLFSLELVDE  
SGEIRATAFNEQVDKFFPLIEVNKVVYFSGKTLKIANKQFTAVKNDYEMTFNNETS  
V MPCEDDHHLPTVQFDFTGIDDLENKSKDSLVDIIGICKSYEDATKITVRSNNREVA  
KR NIYLMDTSGKVVTATLWGEDADKFDGSRQPVLAIK GARVSDFGGRSLSVLSSSTII  
A NPDIPAYKLRGWFDAEGQALDGV SISDLKSGGVGGSNTNWKTLYEVKSEN LGQG  
DKPDYFSSVATVVYLRKENCMYQACPTQDCNKKVIDQQNGLYRCEKCDTEFPNFK  
YRMILSVNIADFQENQWVTCFQESAEAILGQNAAYLGELKDKNEQAFEEVFQANF  
RSFIFRVRVKVETYNDESRIKATVMDVKPVDYREYGRRLVMSIRRSALM

## 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 RPA1 full length of mature protein protein (2-616aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. RPA1, also known as HSSB or RF-RP-REPA1 or RPA70, 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.