



Recombinant Mouse ARPC1B Protein Product Manual

1. Product Basic Information

Product No.: REP06172

Protein Name: Arp2/3 Complex 41 Kda Subunit (ARPC1B)

Aliases: ARC41; IMD71; PLTEID; p40-ARC; p41-ARC; arp2/3 complex 41 kDa subunit; ARP2/3 protein complex subunit p41; actin related protein 2/3 complex subunit 1B; actin-related protein 2/3 complex subunit 1B

UniProt ID: O15143

UniProt Link: <https://www.uniprot.org/uniprotkb/O15143/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-372aa)

Molecular Weight: 47.8 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (2-372aa)

AYHSFLVEPISCHAWNKDRTQIAICPNNHEVHIYEKSGAKWNVHELKEHNGQVTGI
DWAPESNRIVTCGTDRNAYVWTLKGRTWKPTLVILRINRAARCVRWAPNENKFAV
GSGSRVISICYFEQENDWWVCKHIKKPIRSTVLSLDWHPNNVLLAAGSCDFKCRIFS
AYIKEVEERPAPTPWGSKMFGELMFESSSSCGWVHGVCFSASGSRVAWVSHDS
TVCLVDADKKMAVATLASETLPLAVTFITENSLVAAGHDCFPVLFTYDNAAVTLSFG
GRLDVPKQSSQRGMTARERFQNLDDKASSEGAATGAGLDSLHKNSVSQISVLSG
GKAKCSQFCTTGMDGGMSIWDVKSLESALKDLKIK

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 Mouse ARPC1B full length of mature protein protein (2-372aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ARPC1B, also known as ARC41 or IMD71 or PLTEID, 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.