



Recombinant Human ACTC1 Protein Product Manual

1. Product Basic Information

Product No.: REP06035

Protein Name: Actin Alpha Cardiac Muscle 1 (ACTC1)

Aliases: ACTC; ASD5; CMD1R; CMH11; LVNC4; actin alpha cardiac muscle 1

UniProt ID: P68032

UniProt Link: <https://www.uniprot.org/uniprotkb/P68032/entry>

Species Source: Homo sapiens (Human)

Expression System: Baculovirus

Protein Length: Partial (3-377aa)

Molecular Weight: 47.4 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (3-377aa)

DDEETTALVCDNGSGLVKAGFAGDDAPRAVFPSIVGRPRHQGVMMVGMGQKDSYV
GDEAQSKRGILTLKYPIEHGIITNWDDMEKIWHHTFYNELRVAPEEHPTLLTEAPLNP
KANREKMTQIMFETFNVPAMYVAIQAVLSLYASGRTTGIVLDSGDGVTHNVPIYEGY
ALPHAIMRLDLAGRDLDYLMKILTERGYSFVTTAEREIVRDIKEKLCYVALDFENEM
ATAASSSSLEKSYELPDGQVITIGNERFRCPETLFQPSFIGMESAGIHETTYNSIMKC
DIDIRKDLYANNVLSGGTTMYPGIADRMQKEITALAPSTMKIKIIPPERKYSVWIGGS
ILASLSTFQQMWISKQEYDEAGPSIVHRKCF

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 ACTC1 partial protein (3-377aa) expressed in Baculovirus. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ACTC1, also known as ACTC or ASD5 or CMD1R, 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.