



Recombinant Chinese hamster ACTB Protein Product Manual

1. Product Basic Information

Product No.: REP06034

Protein Name: Actin Beta (ACTB)

Aliases: BNS; CSMH; DDS1; THC8; BKRNS; BRWS1; PS1TP5BP1; I(2)-actin; actin beta; actin, cytoplasmic beta cytoskeletal actin; PS1TP5-binding protein 1

UniProt ID: P60709

UniProt Link: <https://www.uniprot.org/uniprotkb/P60709/entry>

Species Source: Cricetulus griseus (Chinese hamster) (Cricetulus barabensis griseus)

Expression System: E.coli

Protein Length: Full Length (1-375aa)

Molecular Weight: 45.7 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-375aa)

MDDDIAALVVDNGSGMCKAGFAGDDAPRAVFPSIVGRPRHQGVMVGMGQKDSYV
GDEAQSKRGILTLKYPIEHGIVTNWDDMEKIWHHTFYNELRVAPEEHPVLLTEAPLN
PKANREKMTQIMFETFNTPAMYVAIQAVLSLYASGRTTGIVMDSGDGVTHTVPIYEG
YALPHAILRLDLAGRDLTDYLMKILTERGYSFTTTAEREIVRDIKEKLCYVALDFEQEM
ATAASSSSLEKSYELPDGQVITIGNERFRCPEALFQPSFLGMESCGIHETTFNSIMKC
DVDIRKDLYANTVLSGGTTMYPGIADRMQKEITALAPSTMKIKIAPPERKYSVWIGG
SILASLSTFQEMWISKQEYDESGPSIVHRKCF

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



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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 Chinese hamster ACTB full length protein (1-375aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ACTB, also known as BNS or CSMH or DDS1, 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.