



Recombinant Human ICA1 Protein Product Manual

1. Product Basic Information

Product No.: REP07177

Protein Name: Islet Cell Autoantigen Islet Cell Autoantigen P69 (ICA1)

Aliases: p69; ICA69; ICAp69; islet cell autoantigen islet cell autoantigen p69; 69 kDa islet cell autoantigen; islet cell autoantigen 1, 69kDa; testicular tissue protein Li 162; diabetes mellitus type I autoan...

UniProt ID: Q05084

UniProt Link: <https://www.uniprot.org/uniprotkb/Q05084/entry>

Species Source: Homo sapiens (Human)

Expression System: Baculovirus

Protein Length: Full Length (1-483aa)

Molecular Weight: 60.3 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (1-483aa)

MSGHKCSYPWDLQDRYAQDKSVVNKMQQKYWETKQAFIKATGKKEDHVVASDA
DLDAKLELFHSIQRTCLDLSKAIVLYQKRICFLSQEENELGKFLRSQGFQDKTRAGK
MMQATGKALCFSSQQLALRNPLCRFHQEVETFRHRAISDTWLTVNRMEQCRTEY
RGALLWMKDVSQELDPDLYKQMEKFRKVQTQVRLAKKNFDKLMKMDVCQKVDLLG
ASRCNLLSHMLATYQTLLHFWEKTSHTMAAIHESFKGYQPYEFTTLKSLQDPMKK
LVEKEEKKKINQQESTDAAVQEPSQLISLEENQRKESSSFKTEDGKSILSALDKGS
THTACSGPIDELLDKSEEGACLGVPVAGTPEPEGADKDDLLLLSEIFNASSLEEGER
SKEWAAVFGDGQVKEPVPTMALGEPDPAQTGSGFLPSQLLDQNMKDLQASLQE
PAKAASDLTAWFSLFADLDPLSNPDAVGKTDKEHELLNA

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

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 ICA1 full length protein (1-483aa) expressed in Baculovirus. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ICA1, also known as p69 or ICA69 or ICAp69, 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.