

ICA1 Protein, Human, Recombinant (His)

General Information

Synonyms: Islet cell autoantigen 1;ICA1;Islet cell autoantigen p69 (ICAp69;p69);69 kDa islet cell autoantigen (ICA69)

Protein Construction: 1-482 aa

Species: Human

Expression Host: P. pastoris (Yeast)

Accession: Q05084

Molecular Weight: 56.6 kDa (predicted)

AA Sequence:

MSGHKCYPWDLQDRYAQDKSVVNMQKQKYWETKQAFIKATGKKEDEHVVASDADLDAKLELFHSIQRTCL
DLSKAIVLYQKRICFLSQEENELGKFLRSQGFQDKTRAGKMMQATGKALCFSSQQLALRNPLCRFHQEVETF
RHRAISDTWLTVNRMEQCRTEYRGALLWMKDVSQELDPDLKQMEKFRKVQTQVRLAKKNFDKMKMDVCQ
KVDLLGASRCNLLSHMLATYQTLLHFWEKTSHTMAAIHESFKGYQPYEFTTLKSLQDPMKKLVEKEEKKKIN
QQESTDAAVQEPSQLISLEEENQRKESSFKTEDGKSILSALDKGSTHTACSGPIDELLDKSEEGACLGPVAG
TPEPEGADKDDLLLSEIFNASSLEEGEFSKEWAAVFGDGQVKEPVPTMALGEPDPKAQTGSGFLPSQLLDQ
NMKDLQASLQEPAKAASDLTAWFSLFADLDPLSNPDAVGKTDKEHELLNA

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 90% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A DRUG SCREENING EXPERT

May play a role in neurotransmitter secretion.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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