

Product datasheet for **TP302149L**

ICA1 (NM_004968) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human islet cell autoantigen 1, 69kDa (ICA1), transcript variant 2, 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC202149 representing NM_004968
Red=Cloning site **Green**=Tags(s)

MSGHKCYPWDLQDRYAQDKSVVNKMQQKYWETKQAFIKATGKKEDEHWASDADLDAKLELFHSIQRTCL
DLSKAIVLYQKRICFLSQEENELGKFLRSQGFQDKTRAGKMMQATGKALCFSSQQLALRNPLCRFHQEV
ETFRHRAISDTWLTVNRMEQCRTEYRGALLWMKDVQSQELDPDLYKQMEKFRKVQTVRLAKKNFDKMKMD
VCQKVDLLGASRCNLLSHMLATYQTLLHFWEKTSHTMAAIHESFKGYQPYEFTTLKSLQDPMKKLVEKE
EKKKINQQESTDAAVQEPSQLISLEEENQRKESSFKTEDGKSILSALDKGSTHTACSGPIDELDMKSE
EGACLGPVAGTPEPEGADKDDLLLLSEIFNASSLEEGEFSKEWAAVFGDGVKPEVPTMALGEPDPAQT
GSGFLPSQLLDQNMKDLQASLQEPAKAASDLTAWFSLFADLDPLSNPDAVKGKTDKEHELLNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

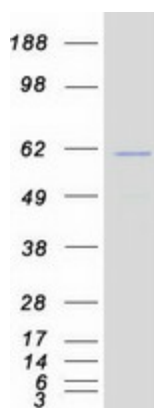
Tag: C-Myc/DDK
Predicted MW: 54.5 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage: Store at -80°C.
Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq: [NP_004959](#)



[View online »](#)

Locus ID:	3382
UniProt ID:	Q05084 , A0A024RA29
RefSeq Size:	2396
Cytogenetics:	7p21.3
RefSeq ORF:	1446
Synonyms:	ICA69; ICAp69
Summary:	This gene encodes a protein with an arfaptin homology domain that is found both in the cytosol and as membrane-bound form on the Golgi complex and immature secretory granules. This protein is believed to be an autoantigen in insulin-dependent diabetes mellitus and primary Sjogren's syndrome. Several transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Feb 2013]
Protein Pathways:	Type I diabetes mellitus

Product images:



Coomassie blue staining of purified ICA1 protein (Cat# [TP302149]). The protein was produced from HEK293T cells transfected with ICA1 cDNA clone (Cat# [RC202149]) using MegaTran 2.0 (Cat# [TT210002]).