

Recombinant Full Length Human ICA1 Protein, C-Flag-tagged

Cat. No. ICA1-845HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ICA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.5 kDa
AA Sequence	MSGHKCYPWDLQDRYAQDKSVVNKMQQKYWETKQAFIKATGKKEDEHVVASDAD LDAKLELFHHSIQRRTCL DLSKAIVLYQKRICFLSQEENELGKFLRSQGFQDKTRAGKM MQATGKALCFSSQQRLLALRNPLCRFHQEV ETFRHRAISDTWLTVNRMEQCRTEYR GALLWMKDVSQELDPDLYKQMEKFRKVQTQVRLAKKNFDKLMKMD VCQKVDLLGAS RCNLLSHMLATYQTLLHFWEKTSHTMAAIHESFKGYQPYEFTTLKSLQDPMKKLVE KE EKKKINQQESTDAAVQEPSQLISLEEENQRKESSEFKTEDGKSILSALDKGSTHT ACSGPIDELDMKSE EGACLGPVAGTPEPEGADKDDLLLLSEIFNASSLEEGERFSKE WAAVFGDGQVKEPVPTMALGEPDPAQT

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GSGFLPSQLLDQNMKDLQASLQEPAKAASDLTAWFSLFADLDPLSNPDAVGKTDKE
HELLNATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Type I diabetes mellitus
Full Length	Full L.

GENE INFORMATION

Gene Name	ICA1 islet cell autoantigen 1 [Homo sapiens (human)]
Official Symbol	ICA1
Synonyms	ICA69; ICAp69
Gene ID	3382
mRNA Refseq	NM_004968.4

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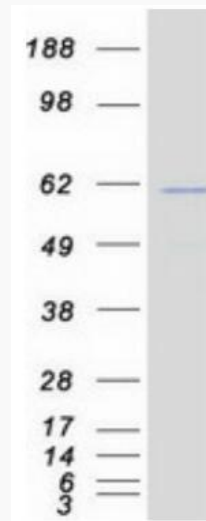
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Protein Refseq NP_004959.2

MIM 147625

UniProt ID Q05084



Coomassie blue staining of purified ICA1 protein.

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