

Product datasheet for PH302149

ICA1 (NM_004968) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ICA1 MS Standard C13 and N15-labeled recombinant protein (NP_004959)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202149
Predicted MW:	54.5 kDa
Protein Sequence:	>RC202149 representing NM_004968 Red =Cloning site Green =Tags(s)

MSGHKCYPWDLQDRYAQDKSVVNKMQQKYWETKQAFIKATGKKEDHVVASDADLDAKLELFHSIQRTCL
 DLSKAIVLYQKRICFLSQEENELGKFLRSQGFQDKTRAGKMMQATGKALCFSSQQRLALRNPLCRFHQEV
 ETFRHRAISDTWLTVNRMEQCRTEYRGALLWMKDVSQELDPDLYKQMEKFRKVQTQVRLAKKNFDKLMKD
 VCQKVDLLGASRCNLLSHMLATYQTLLHFWKTSHTMAAIHESFKGYQPYEFTTLKSLQDPMKKLVEKE
 EKKKINQQUESTDAAVQEPSQLISLEEENQRKESSFKTEDGKSILSALDKGSTHTACSGPIDELDMKSE
 EGACLGPVAGTPEPEGADKDDLLLLSEIFNASSLEEGEFSKEWAAVFGDGQVKEPVPTMALGEPDPAQT
 GSGFLPSQLLDQNMKDLQASLQEPAKAASDLTAWFSLFADLDPLSNPDVAVGKTDKEHELLNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004959</u>
RefSeq Size:	2396
RefSeq ORF:	1446
Synonyms:	ICA69; ICAp69


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Locus ID: 3382

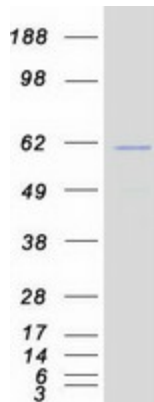
UniProt ID: [Q05084](#), [A0A024RA29](#)

Cytogenetics: 7p21.3

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]).