

## Recombinant Human ICA1 protein, MYC/DDK-tagged

Cat. No. ICA1-124H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human ICA1 fused with MYC/DDK tag at C-terminal was expressed in HEK293.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.   |
| <b>Molecular Mass</b>   | 54.5 kDa  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method  |

### GENE INFORMATION

**Gene Name** ICA1 islet cell autoantigen 1, 69kDa [ Homo sapiens ]

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|                            |  |
|----------------------------|--|
| <b>Official Symbol</b>     | ICA1   |
| <b>Synonyms</b>            | ICA1; islet cell autoantigen 1, 69kDa; islet cell autoantigen 1 (69kD); islet cell autoantigen 1; ICAp69; p69; islet cell autoantigen p69; 69 kDa islet cell autoantigen; islet cell autoantigen 1 isoform; diabetes mellitus type I autoantigen; ICA69; |
| <b>Gene ID</b>             | 3382   |
| <b>mRNA Refseq</b>         | NM_001136020   |
| <b>Protein Refseq</b>      | NP_001129492   |
| <b>MIM</b>                 | 147625   |
| <b>UniProt ID</b>          | Q05084   |
| <b>Chromosome Location</b> | 7p22   |
| <b>Pathway</b>             | Type I diabetes mellitus, organism-specific biosystem; Type I diabetes mellitus, conserved biosystem;  |
| <b>Function</b>            | molecular_function; protein domain specific binding;   |

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