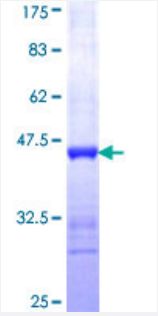
ICA1 (Human) Recombinant Protein (Q01)

Catalog # H00003382-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ICA1 partial ORF (NP_071682, 1 a.a. - 110 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSGHKCSYPWDLQDRYAQDKSVVNKMQQKYWETKQAFIKATGKKEDEHVVASDADLDAKLELFHSIQRTCLDLSKAIVLYQKRICFLSQEENELGKFLRSQGFQDKTRAG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (96); Rat (96)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

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Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ICA1

Entrez GeneID	3382
GeneBank Accession#	NM_022307
Protein Accession#	NP_071682
Gene Name	ICA1
Gene Alias	ICA69, ICAp69
Gene Description	islet cell autoantigen 1, 69kDa
Omim ID	147625
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein with an arfaptin homology domain that is found both in the cytosol an d as membrane-bound form on the Golgi complex and immature secretory granules. This protein i s believed to be an autoantigen in insulin-dependent diabetes mellitus and primary Sjogren's synd rome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq
Other Designations	diabetes mellitus type I autoantigen|islet cell autoantigen 1|islet cell autoantigen 1 (69kD)|islet cell autoantigen 1 isoform|islet cell autoantigen p69

Pathway

- Type I diabetes mellitus

Disease

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- Genetic Predisposition to Disease
- Tobacco Use Disorder
- Vitiligo

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