

ISYNA1 (Human) Recombinant Protein (Q01)

Catalog # : H00051477-Q01

規格 : [10 ug] [25 ug]

List All

Specification

Product Description: Human ISYNA1 partial ORF (NP_057452, 331 a.a. - 430 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence: SYNHLGNNDGENLSAPLQFRSKEVSKSNVDDMVQSNPVLVYTPGEEPD
HCVVIKYVPYVGDSKRALDEYTSLEMLGGTNTLVLHNTCEDSLLAAPIML
DL

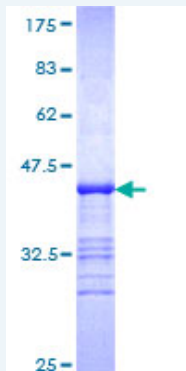
Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 36.74

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.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Enzyme-linked Immunoabsorbent Assay

Western Blot (Recombinant protein)

Antibody Production

Application Image

Enzyme-linked
Immunoabsorbent Assay

Western Blot (Recombinant
protein)

Antibody Production

Protein Array

Protein Array

Gene Information

Entrez GeneID: [51477](#)

GeneBank Accession#: [NM_016368](#)

Protein Accession#: [NP_057452](#)

Gene Name: ISYNA1

Gene Alias: INOS,IPS,Ino1

Gene Description: inositol-3-phosphate synthase 1

Omim ID: [611670](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: Myoinositol, the most common naturally occurring form of inositol, is a component of plasma membrane phospholipids and functions as a cell signaling molecule. ISYNA1 (EC 5.5.1.4), or IPS, is a rate-limiting enzyme that catalyzes the de novo synthesis of myoinositol 1-phosphate from glucose 6-phosphate (Seelan et al., 2004 [PubMed 15464731]). [supplied by OMIM]

Other Designations: myo-inositol 1-phosphate synthase A1

Gene Pathway

[Inositol phosphate metabolism](#) [Metabolic pathways](#) [Streptomycin biosynthesis](#)

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