

Recombinant Human ISYNA1 Protein, MYC/DDK-tagged

Cat. No. ISYNA1-2616H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ISYNA1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	This gene encodes an inositol-3-phosphate synthase enzyme. The encoded protein plays a critical role in the myo-inositol biosynthesis pathway by catalyzing the rate-limiting conversion of glucose 6-phosphate to myoinositol 1-phosphate. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the short arm of chromosome 4.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	60.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	ISYNA1 inositol-3-phosphate synthase 1 [Homo sapiens]
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Official Symbol	ISYNA1
Synonyms	INO1; INOS; IPS; IPS 1; IPS-1
Gene ID	51477
mRNA Refseq	NM_001170938.1
Protein Refseq	NP_001164409.1
MIM	611670
UniProt ID	Q9NPH2

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