

Recombinant Mouse Isyna1 Protein, Myc/DDK-tagged

Cat. No. Isyna1-3590M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length myo-inositol 1-phosphate synthase A1 (Isyna1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Key enzyme in myo-inositol biosynthesis pathway that catalyzes the conversion of glucose 6-phosphate to 1-myo-inositol 1-phosphate in a NAD-dependent manner. Rate-limiting enzyme in the synthesis of all inositol-containing compounds.
Molecular Mass	60.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Isyna1 myo-inositol 1-phosphate synthase A1 [Mus musculus (house mouse)]
Official Symbol	Isyna1
Synonyms	Isyna1; myo-inositol 1-phosphate synthase A1; IPS 1; AU018670; 1300017C10Rik; inositol-3-phosphate synthase 1; MI-1-P synthase; MIP synthase; EC 5.5.1.4
Gene ID	71780
mRNA Refseq	NM_023627
Protein Refseq	NP_076116
UniProt ID	Q9JHU9

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