

Product datasheet for TP508826

Isyna1 (NM_023627) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse myo-inositol 1-phosphate synthase A1 (Isyna1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208826 protein sequence Red=Cloning site Green=Tags(s)

MEPAAEILVDSPOVWYSPETIEARYEYRTRTRVSREGGVLRVQPRATRFTFRTARQVPRLGVMVLVGGWGNNGSTLTAAVLANRLRLTWPTRTGRKEANYYGSLTQAGTVNLGLDENGREVFVPSALLPMVAPNDLVFDGWDISSLNLAEMRRAQVLDLDCGLQEQLWPHMESLRPRPSVYIPEFIAANQTARADNLIPGTRAQQLEQIRKDIRDFRSSAGLDKVVILWTANTERFCEVWVGRNDTAENLLHTIQGLGVSPSTLFAVASILEDCAFLNGSPQNTLVPGALELASQRHVFGDDFKSGQTKVKSVLVDFLIGSGLKTMMSIVSYNHLGNNDGQNLASAPLQFRSKEVTKSSVDDMVHSNHVLYAPGERPDHCVVIKYPVYVGDGSKRALDEYTSMLGGTNTLVLHNTCEDSLAAPIMLDLVLLTELCQRVSFCTDSDPEPQGFHTVLSLLSFLFKAPLVPPGSPVWALFRQRSCIENIFRACVGLPPQNHMLLEHKMERPGPGIKPGEVWATSPLPCKKEPTPATNGCTGDANGHPQAPTPKLSTA

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	60.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_076116</u>



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Locus ID:	71780
UniProt ID:	Q9JHU9
RefSeq Size:	1850
Cytogenetics:	8 B3.3
RefSeq ORF:	1674
Synonyms:	1300017C10Rik; AU018670
Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]