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Datasheet for ABIN1610320

MPI Protein (AA 1-461) (His tag)

Overview

Quantity:	1 mg
Target:	MPI
Protein Characteristics:	AA 1-461
Origin:	Emericella nidulans
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This MPI protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MQVPLLRLQC GVNSYDWGRV GPESAAAKYA AATAPSDFTI EADKPYAELW MGTHPSLPSK</p> <p>DVETQRTLLD MVQDNLALMS PEVSERYGGK LPFLFKVLSI RKALSIQAHP NKKLAEALHA</p> <p>RDPRNYPDDN HKPEMTIAIT PFEGLCGFRP LAEIVHFLKA VAPLRYLIGV QTATDFENAV</p> <p>RGFENTEDPE QTKKNKVALR TLFTSLMQSA SENIEQAARE LVAAAQSSPE TFASLVNAPD</p> <p>TNPTNAAELA SIIIRLNEQF PNDIGLFVFF FLNFVRLEPG EAMFLKADDI HAYISGDIIE</p> <p>CMASSDNVVR AGFTPKFKDV DTLTEMLTYS YAPIDEQLQ PTDYPYTVLN AAAYSSASDS</p> <p>LLYDPPIIEF SVVKTSRLRT GAKATFDPLT GPSILICTGG TGKISVGHKT EEVKEGYVFF</p> <p>VGANAECIIE NTGTGSDEEN VFTTFKAFCD LTGKEDMANG H</p>
Specificity:	<p>Emericella nidulans (strain FGSC A4 / ATCC 38163 / CBS 112.46 / NRRL 194 / M139)</p> <p>(Aspergillus nidulans)</p>
Characteristics:	<p>Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.</p>

Product Details

Purity: > 90 %

Target Details

Target: MPI

Alternative Name: Mannose-6-phosphate isomerase (manA) ([MPI Products](#))

Background: Recommended name: Mannose-6-phosphate isomerase.
EC= 5.3.1.8.
Alternative name(s): Phosphohexomutase Phosphomannose isomerase.
Short name= PMI

UniProt: [P29951](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

Handling

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.