

[Go to Product page](#)

Datasheet for ABIN1633315

GMP Synthase Protein (AA 2-693) (His tag)

Overview

Quantity:	1 mg
Target:	GMP Synthase (GMPS)
Protein Characteristics:	AA 2-693
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This GMP Synthase protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ALCNGDSKP ENAGGDLKDG CHHYEGAVVI LDAGAQYGKV IDRRVRELFV QSEIFPLETP AFAIKEQGFR AIIISGGPNS VYAEDAPWFD PAIFTIGKPV LGICYGMQMM NKVFGGTVHK KSVREDGVFN ISMDNTCSLF RGLQKEEIVL LTHGDSVDKV ADGFKVVARV GNIVAGIANE SKKLYGVQFH PEVGLTENGK VILKNFLYDI AGCSGNFTVQ NRELECIREI KEKVGTSKVL VLLSGGVDST VCTALLNRAL NQDQVI AVHI DNGFMRKRES QSVEEALKKL GIQVKVINAA HSFYNGTTTL PISDEDRTPR KRISKTLNMT TSPEEKRKII GDTFVKIANE VIGEMSLKPE EVFLAQGTLR PDLIESASLV ASGKAELIKT HHNDTELIRK LREEGKVIEP LKDFHKDEVR ILGRELDLPE ELVSRHPFPG PGLAIRVICA EEPYICKDFP ETNNILKIVA DFSASVKKPH TLLQRVKACT TEEDQEKLME ITSQHSLNAF LLPIKTVGVQ GDCRSYSYVC GISSKDEPDW ESLIFLARLI PRMCHNINRV VYIFGPPVKE PPTDVTPTFL TTGVLSTLRQ ADFEAHNILR ESGYAGKISQ MPVILTPLHF DRDPLQKQPS CQRSVVIRTF ITSDFMTGVP ATPGNEIPVE VVLKMOVTEIK KIPGISRIMY DLTSKPPGTT EWE
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Product Details

Specificity:	Rattus norvegicus (Rat)
Characteristics:	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.
Purity:	> 90 %

Target Details

Target:	GMP Synthase (GMPS)
Alternative Name:	GMP synthase [glutamine-hydrolyzing] (Gmps) (GMPS Products)
Background:	Recommended name: GMP synthase [glutamine-hydrolyzing]. EC= 6.3.5.2. Alternative name(s): GMP synthetase Glutamine amidotransferase
UniProt:	Q4V7C6
Pathways:	Ribonucleoside Biosynthetic Process

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

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.