

Datasheet for ABIN668022

**GMP Synthase Protein (AA 1-693) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	GMP Synthase (GMPS)
Protein Characteristics:	AA 1-693
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GMP Synthase protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Characteristics:	GMPS, 1-693aa , Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

## Target Details

Target:	GMP Synthase (GMPS)
Alternative Name:	GMPS ( <a href="#">GMPS Products</a> )
Background:	<p>GMP synthase, also known as GMPS, is involved in purine biosynthesis. Existing as a homodimer, GMPS catalyzes the last step in the GMP synthesis pathway, namely the ATP-dependent amination of XMP to GMP. GMPS contains one GMP-binding domain and one glutamine amidotransferase type-1 domain through which it conveys its catalytic activity.</p> <p>Chromosomal translocations involving the gene encoding GMPS are associated with acute</p>

Target Details

myeloid leukemias, suggesting a possible role for GMPS in carcinogenesis. Recombinant human GMPS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: GMP synthase [glutamine-hydrolyzing], Glutamine amidotransferase, guanine monophosphate synthetase. NCBI no.: NP\_003866

Molecular Weight: 79.2 kDa (717aa)

Pathways: [Ribonucleoside Biosynthetic Process](#)

Application Details

Restrictions: For Research Use only

Handling

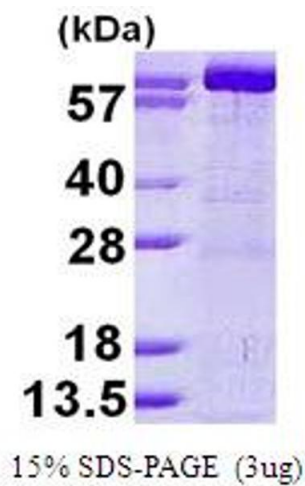
Format: Liquid

Concentration: 0.5 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 30% glycerol, 0.1M NaCl

Storage: 4 °C

Images



**SDS-PAGE**

Image 1.