

[Go to Product page](#)

## Datasheet for ABIN7317186 GMPR Protein (His tag)

### Overview

Quantity:	100 µg
Target:	GMPR
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GMPR protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human GMPR Protein (E.coli, His Tag)
Sequence:	Met 1-Ser345
Characteristics:	A DNA sequence encoding the human GMPR (Met1-Ser345) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.

### Target Details

Target:	GMPR
Alternative Name:	GMPR ( <a href="#">GMPR Products</a> )
Background:	Background: GMPR; also known as GMPR1; belongs to the IMPDH/GMPR family. This family of enzymes includes IMP dehydrogenase and GMP reductase. These enzymes are involved in purine metabolism and adopt a TIM barrel structure. GMPR is an enzyme that catalyzes the irreversible and NADPH-dependent reductive deamination of GMP to IMP. GMPR

## Target Details

functions in the conversion of nucleobase; nucleoside and nucleotide derivatives of G to A nucleotides; and in maintaining the intracellular balance of A and G nucleotides.

Synonym: GMP Reductase 1; Guanosine 5'-Monophosphate Oxidoreductase 1; Guanosine Monophosphate Reductase 1; GMPR; GMPR1

Molecular Weight: 39.2 kDa

UniProt: [P36959](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 50 mM Tris, 150 mM NaCl, 40 % Glycerol, 1 mM DTT, pH 8.0

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.