



# Recombinant *Thermotoga petrophila* GMP synthase [glutamine-hydrolyzing] (guaA), partial

<b>Product Code</b>	CSB-EP009582TKF
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	A5ILP6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Thermotoga petrophila</i> (strain RKU-1 / ATCC BAA-488 / DSM 13995)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MVLVVDYGSQ YSRLITRRIR ENEVYSEVVF PDDKVDLSKV DTVILSGGPR SVYEEDAPKL PEWFQEYKGP VLAICYGMQL IVKELGGEVR RGRGEYGR TL VELS RDPIFE GIPEKVHVWM SHGDEVVRLP EGFHPIAVSE TGVI AAATDG KRFWLLQFHP EVHHT EYGDR MISNFLFNVC KLEKNWKIGD LVEEKIRHIK ETIGNKKAIL ALSGGVDSSV AAVLVHRAIG KNLVCFVDH GLLRKNEREE VERVFKEHFD MNLVVVDARK RFLEKLRGVT DPEKKRKIIG EEFIRVFEEE AKKHDVEFLV QGTIYSDVIE SAASGKTAK IKSHHNVGGL PEKMNLKLVE PLRDLFKDEV RKVGKYL GIP DRIINRHPFP GPLAVRVLG EVTEEKLEIL READYIFIET LRKHDYYDKV WQAFVLLPI KSVGKGDAR AYEYVVALRA VNSVEGMTAD WSRI PHDILD EAARRITREV KGVGRVVYDI TSKPPATIEW E
<b>Source</b>	E.coli
<b>Target Names</b>	guaA
<b>Protein Names</b>	Recommended name: GMP synthase [glutamine-hydrolyzing] EC= 6.3.5.2 Alternative name(s): GMP synthetase Glutamine amidotransferase
<b>Expression Region</b>	1-501
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Partial
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.