



# Recombinant Inosine-5'-monophosphate dehydrogenase (guaB)

<b>Product Code</b>	CSB-EP730304SMZ-B
<b>Abbreviation</b>	guaB
<b>Storage</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.
<b>Uniprot No.</b>	Q5X9A3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	SNWDTKFLK KGYTFDDVLL IPAESHVLPN EVDLTKKLAD NLTLNIIIT AAMDTVTGSK MAIAIARAGG LGVIHKNMSI TEQAEVRKV KRSENGVIID PFFLTPEHKV SEAEELMQRY RISGVPIVET LANRKLVGII TNRDMRFISD YNAPISEHMT SEHLVTA AVG TDLETAERIL HEHRIEKLPL VDNSGRLSGL ITIKDIEKVI EFPAAKDEF GRLLVAAAVG VTSDFERAE ALFEAGADAI VIDTAHGHS A GVLKIAEIR AHFPNRTLIA GNIATAEGAR ALYDAGVDV KVGIGPGSIC TTRVVAGVGV PQVTAIYDAA AVAREYGKTI IADGGIKYSG DIVKALAAGG NAVMLGSMFA GTDEAPGETE IYQGRKFKTY RGMGSIAAMK KGSSDRYFQG SVNEANKLVP EGIEGRVAYK GAASDIVFQM LGGIRSGMGY VGAGDIQELH ENAQFVEMSG AGLIESHPHD VQITNEAPNY SVH
<b>Source</b>	E.coli
<b>Target Names</b>	guaB
<b>Protein Names</b>	Recommended name: Inosine-5'-monophosphate dehydrogenase Short name= IMP dehydrogenase Short name= IMPD Short name= IMPDH EC= 1.1.1.205
<b>Expression Region</b>	2-493
<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>	Full Length of Mature Protein
<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.