



Recombinant Inosine-5'-monophosphate dehydrogenase (guaB)

Product Code	CSB-MP730304SMZ
Abbreviation	guaB
Storage	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.
Uniprot No.	Q5X9A3
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394)
Purity	≥85% (SDS-PAGE)
Sequence	SNWDTKFLK KGYTFDDVLL IPAESHVLPN EVDLTKKLAD NLTLNIPIT 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 IYQGRKFKEY RGMGSIAAMK KGSSDRYFQG SVNEANKLVP EGIEGRVAYK GAASDIVFQM LGGIRSGMGY VGAGDIQELH ENAQFVEMSG AGLIESHPHD VQITNEAPNY SVH
Source	Mammalian cell
Target Names	guaB
Protein Names	Recommended name: Inosine-5'-monophosphate dehydrogenase Short name= IMP dehydrogenase Short name= IMPD Short name= IMPDH EC= 1.1.1.205
Expression Region	2-493
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Reconstitution	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.
Shelf Life	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.