



Recombinant 6-phospho-beta-galactosidase (lacG)

Product Code	CSB-EP716757SMZ-B
Abbreviation	lacG
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.	Q5X9Y7
Product Type	Recombinant Protein
Immunogen Species	Streptococcus pyogenes serotype M6 (strain ATCC BAA-946 / MGAS10394)
Purity	≥85% (SDS-PAGE)
Sequence	MTKTLPKDFI FGGATAAYQA EGATHTDGKG PVAWDKYLED NYWYTAEPAS DFYNRYPVDL KLSEEFVNG IRISIAWSRI FPTGKGEVNP KGVEYYHNL AECHKRHVEP FVTLHHFDTP EALHSNGDFL NRENIEHFVN YAE LCFKEFS EVNYWTTFNE IGPIGDGQYL VGKFPPGIQY DLAKVFQSHH NMMVSHARAV KLFKDSGYSG EIGVVHALPT KYPFDANNPD DVRAAELEDI IHNKFILDAT YLGKYSKTM EGVNHILEVN GGELDLREED FVALDAAKDL NDFLGINYIM SDWMQAFDGE TEIHNGKGE KGSSKYQIKG VGRRKAPVDV PKTDWDWIIF PQGLYDQIMR VKADYPNYKK IYITENGLGY KDEFVDNTVY DDGRIDYVKK HLEVISDAIS DGTNVKGYFM WSLMDVFSWS NGYEKRYGLF YVDFETQERY PKKSAYWYKK VAETQVIE
Source	E.coli
Target Names	lacG
Protein Names	Recommended name: 6-phospho-beta-galactosidase EC= 3.2.1.85 Alternative name(s): Beta-D-phosphogalactoside galactohydrolase Short name= PGALase P-beta-Gal Short name= PBG
Expression Region	1-468
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 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.