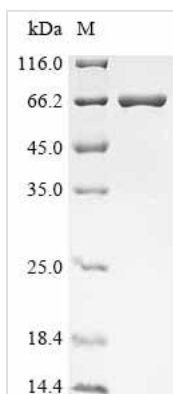




Recombinant Streptococcus gordonii Platelet binding protein GspB (gspB), partial

Product Code	CSB-EP839023SML
Abbreviation	Recombinant Streptococcus gordonii gspB protein, partial
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.	Q939N5
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Streptococcus gordonii Platelet binding protein GspB(gspB),partial
Immunogen Species	Streptococcus gordonii
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	EASSQTGRRRTRRAVTESAPNVEYHDVKGDMIQSVTTSFDDTSRLLTWTINLT PRQVKSNL GALVSISGNQETRTVTINGKNAANGGVYNSGGAWNLYTGESVNN NVLRIITTQVNDTGGEVKLGLRLVTSDDKITKTNLPLEFSQVAATTNGSWDKAG YNTTIVEKDTERPVVNVPS EITVYRGESFEYFATVTDNSNAFDLAKTVVRWLYN NQPGRGTEWLQYSVTQVGNQLKVRIFGNVPIDTTIGDYTRYVVATDAAGNVNA TQTEMGNAAVDKTSVNGQFKLIIRFRIKTPENTVFVNNPNQLTEVEKNLVREAV KKSNDPLRAQDVLNSNYVTGITVSNNGTTTITYRDGRKDIIDGSKFIDTRAGSIS KSQSTSNSISV
Research Area	Others
Source	E.coli
Target Names	gspB
Expression Region	233-617aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	68.5 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The preparation of the recombinant *Streptococcus gordonii* gspB protein involves manipulating the expression of the desired gene in e.coli cells. The sequence (233-617aa) of foreign DNA is fused to an expression vector and then introduced into e.coli cells. Selected positive cells are cultured to induce the expression of the desired protein. The protein features a N-terminal GST tag fusion. The recombinant targeted protein is subjected to affinity purification. Its purity exceeds 90% as assessed by SDS-PAGE.

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.