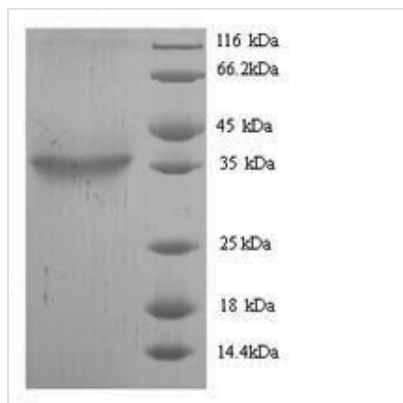




Recombinant Streptococcus agalactiae Toxin zeta

Product Code	CSB-YP363578SMF
Relevance	Toxic component of a toxin-antitoxin (TA) module. Phosphorylates UDP-N-acetyl-D-glucosamine (UNAG) on the 3'-hydroxyl group of the N-acetyl-D-glucosamine moiety, yielding UNAG-3P. UNAG-3P inhibits MurA, the first committed step in cell wall synthesis, which is then blocked. Phosphorylation is inhibited by cognate epsilon antitoxin. Part of a postsegregational killing (PSK) syst involved in the killing of plasmid-free cells. The zeta toxin induces programmed cell death .
Abbreviation	Recombinant Streptococcus agalactiae Toxin zeta protein
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.	P0A4M2
Product Type	Recombinant Protein
Immunogen Species	Streptococcus agalactiae
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MANITDFTEKQFEDRLEKNVERLTKNRLAVESPTAFLGGQPGSGKTSLSAIS EETQGNVVIIDNDTFKQQHPNFDELVKLYEKDVVKYVTPYSNRMTEAISRLRD KGYNLVIEGTGRTTDPVPIQTATMLQAKDYETKMYVMAVPKINSYLGTIERYETM YADDPMTARATPKQAHDIVVKNLPTNLETLHKTGLFSDIRLYNREGVKLYSSLE TPSISPKETLERELNRKVSGKEIQPTLERIEQKMVQNQHQETPEFKAIQQKMES LQPPTPIPKTPKLPGI
Research Area	Others
Source	Yeast
Protein Names	Recommended name: Toxin zeta Alternative name(s): UDP-N-acetylglucosamine kinase Short name= UNAG kinase EC= 2.7.1.n7
Expression Region	1-287aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	34.7kDa
Protein Length	Full Length
Image	



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

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

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