

Product Datasheet

Toxin zeta Protein, *S. agalactiae*, Recombinant (His) (orb1976335)

Description	Toxic component of a type II toxin-antitoxin (TA) system. 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) system involved in the killing of plasmid-free cells. The zeta toxin induces programmed cell death. Toxin zeta Protein, <i>S. agalactiae</i> , Recombinant (His) is expressed in yeast with N-6xHis tag. The predicted molecular weight is 34.7 kDa and the accession number is P0A4M2.
Storage	-20°C
Tag	N-6xHis
Note	For research use only
Application notes	A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.
Protein Sequence	MANITDFTEKQFEDRLEKNVERLTKNRLAVESPTAFLGGQPGSGKTSLRSAISEETQGNVV IIDNDTFKQQHPNFDELVKLYEKDVVKYVTPYSNRMTEAIIISRLRDKGYNLVIEGTGRTTDVPI QTATMLQAKDYETKMYVMAVPKINSYLGTIERYETMYADDPMTARATPKQAHDIVVKNLPT NLET LHKTGLFSDIRLYNREGVKLYSSLETSPISPKETLERELNRKVSGKEIQPTLERIEQKMV QNQHQETPEFKAIQQKMESLQPPTPIPKTPKLPGI
Purity	98.00%
MW	34.7 kDa (predicted)
Uniprot ID	P0A4M2
Expiration Date	6 months from date of receipt.

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