

Recombinant Streptococcus agalactiae Toxin zeta

Catalog No: #AP72989



Package Size: #AP72989-1 20ug #AP72989-2 100ug #AP72989-3 1mg

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Description

Product Name	Recombinant Streptococcus agalactiae Toxin zeta
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-287aaSequence Info:Full Length
Accession No.	P0A4M2
Uniprot	P0A4M2
Calculated MW	34.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MANITDFTEKQFEDRLEKNVERLTKNRLAVESPTAFLGGQPGSGKTSLSAISEETQGNVVIIDNDFKQQHP NFDELVKLYEKDVKYVTPYSNRMTEAISRLRDKGYNLVIEGTGRITDVPQTATMLQAKDYETKMYVMAVPK INSYLGTIERYETMYADDPMTARATPKQAHDIVVKNLPTNLETLHKTGLFSDIRLYNREGVKLYSSLETSPSPK ETLERELNRKVGKEIQPTLERIEQKMVQNQHQETPEFKAIQKQKMESLQPPTPIPKTPKLPKI
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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 .

References

Lactobacillus helveticus ATCC15009 as a host for native and conjugative plasmid DNA.Thompson J.K., Collins M.A., Foley S. Research Topic:Others

Note: This product is for in vitro research use only