

Enterotoxin type B Recombinant Protein | entB recombinant protein

Recombinant Staphylococcus aureus Enterotoxin type B (entB)

CATALOG # AAA18539	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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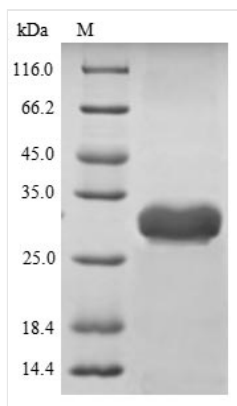
PRODUCT SYNONYMS

Enterotoxin type B; Recombinant Staphylococcus aureus Enterotoxin type B (entB); SEB; entB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	28-266aa; Full Length of Mature Protein
Sequence	ESQPDPKPDE LHKSSKFTGL MENMKVLYDD NHVSAINVKS IDQFLYFDLI YSIKDTKLG N YDNVRVEFKN KDLADKYKDK YVDVFGANY Y YQCYFSKKTN DINSHQTDKR KTCMYGGVTE HNGNQLDKYR SITVRVFEDG KNLLSFDVQT NKKKVTAQEL DYLTRHYLVK NKKLYEFNNS PYETGYIKFI ENENSFWYDM MPAPGDKFDQ SKYLMMYNDN K MVDSKDVKI E VYLT TTKK
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for entB recombinant protein	Staphylococcal enterotoxins cause the intoxication staphylococcal food poisoning syndrome. The illness characterized by high fever, hypotension, diarrhea, shock, and in some cases death.
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References	Nucleotide sequence of the enterotoxin B gene from Staphylococcus aureus.Jones C.L., Khan S.A.J. Bacteriol. 166:29-33(1986) Molecular cloning of staphylococcal enterotoxin B gene in Escherichia coli and Staphylococcus aureus.Ranelli D.M., Jones C.L., Johns M.B., Mussey G.J., Khan S.A.Proc. Natl. Acad. Sci. U.S.A. 82:5850-5854(1985) The primary structure of staphylococcal enterotoxin B. 3. The cyanogen bromide peptides of reduced and aminoethylated enterotoxin B, and the complete amino acid sequence.Huang I.-Y., Bergdoll M.S.J. Biol. Chem. 245:3518-3525(1970) Crystal structure of staphylococcal enterotoxin B, a superantigen.Swaminathan S., Furey W.F. Jr., Pletcher J., Sax M.Nature 359:801-806(1992) Three-dimensional structure of a human class II histocompatibility molecule complexed with superantigen.Jardetzky T.S., Brown J.H., Gorga J.C., Stern L.J., Urban R.G., Chi Y.I., Stauffacher C., Strominger J.L., Wiley D.C.Nature 368:711-718(1994) Three-dimensional structure of the complex between a T cell receptor beta chain and the superantigen staphylococcal enterotoxin B.Li H., Llera A., Tsuchiya D., Leder L., Ysern X., Schlievert P.M., Karjalainen K., Mariuzza R.A.Immunity 9:807-816(1998) Crystal structure of microbial superantigen staphylococcal enterotoxin B at 1.5-A resolution implications for superantigen recognition by MHC class II molecules and T-cell receptors.Papageorgiou A.C., Tranter H.S., Acharya K.R.J. Mol. Biol. 277:61-79(1998)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	446200230
NCBI Accession #	WP_000278085.1
NCBI GenBank Nucleotide #	WP_000278085.1
UniProt Accession #	P01552
Molecular Weight	30.4 kDa
NCBI Official Full Name	enterotoxin
UniProt Protein Name	Enterotoxin type B
UniProt Gene Name	entB
UniProt Entry Name	ETXB_STAAU

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.