

Botulinum neurotoxin type E Recombinant Protein | BoNT/E recombinant protein

Recombinant Clostridium butyricum Botulinum neurotoxin type E, partial

CATALOG # AAA18580	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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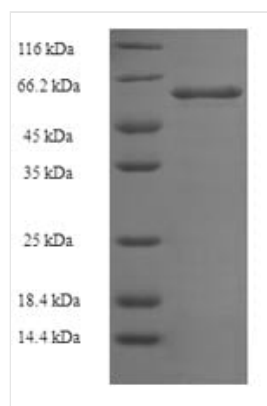
PRODUCT SYNONYMS

Botulinum neurotoxin type E; Recombinant Clostridium butyricum Botulinum neurotoxin type E; partial; BoNT/E 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	2-422aa; partial
Sequence	PTINSFNYND PVNNRTILYI KPGGCQQFYK SFNIMKNIWI IPERNVIGTI PQDFLPPTSL KNGDSSYYDP NYLQSDQEKD KFLKIVTKIF NRINDNLGR ILLEELSKAN PYLGNDNTPD GDFIINDASA VPIQFSNGSQ SILLPNVIIM GAEPDLFETN SSNISLRNNY MPSNHGFGSI AIVTFSPEYS FRFKDNSMNE FIQDPALTLN HELIHSLHGL YGAKGITT KY TITQKQNPLI TNIRGTNIEE FLTGGTDLN IITSAQSNDI YTNLLADYKK IASKLSKVQV SNPLNPKYD VFEAKYGLDK DASGIYSVNI NKFNDIFKKL YSFTEFDLAT KFQVKCRQTY IGQYKYFKLS NLLNDSIYNI SEGYNINNLK VNFRGQANL NPRIITPITG RGLVKKIIRF CKNIVSVKGI R
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 BoNT/E recombinant protein	Botulinum toxin acts by inhibiting neurotransmitter release. It binds to peripheral neuronal synapses, is internalized and moves by retrograde transport up the axon into the spinal cord where it can move between postsynaptic and presynaptic neurons. It inhibits neurotransmitter release by acting as a zinc endopeptidase.
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References	Sequences of the botulinal neurotoxin E derived from Clostridium botulinum type E (strain Beluga) and Clostridium butyricum (strains 43181 and 43755) .Poulet S., Hauser D., Quanz M., Niemann H., Popoff M.R.Biochem. Biophys. Res. Commun. 183:107-113(1992) Cloning of a DNA fragment encoding the 5'-terminus of the botulinum type E toxin gene from Clostridium butyricum strain BL6340.Fujii N., Kimura K., Murakami T., Indoh T., Tsuzuki K., Yokosawa N., Yashiki T., Oguma K.J. Gen. Microbiol. 137:519-525(1991) Neurotoxin type E from Clostridium botulinum and C. butyricum; partial sequence and comparison.Gimenez J., Foley J., Dasgupta B.R.FASEB J. 2:A1750-A1750(1988)
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P30995
Molecular Weight	49.7 kDa
UniProt Protein Name	Botulinum neurotoxin type E
UniProt Gene Name	BoNT/E
UniProt Synonym Gene Names	BoNT/E
UniProt Entry Name	BXE_CLOBU

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.

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