

Botulinum neurotoxin type C1 Recombinant Protein | BoNT/C1 recombinant protein

Recombinant Clostridium botulinum Botulinum neurotoxin type C1

CATALOG # AAA114782	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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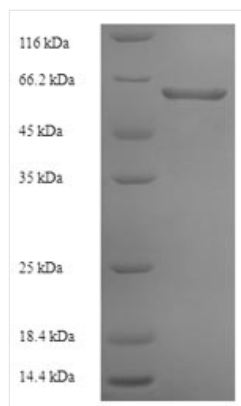
PRODUCT SYNONYMS

Botulinum neurotoxin type C1; Recombinant Clostridium botulinum Botulinum neurotoxin type C1; BoNT/C1 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	2-428aa; Partial
Sequence	PITINNFNYS DPVDNKNILY LDTHLNTLAN EPEKAFRITG NIWVIPDRFS RNSNPNLNKP PRVTSPKSGY YDPNYLSTDS DKDPFLKEII KLFKRINSRE IGEELIYRLS TDIPFPGNNN TPINTDFDFV DFNSVDVKTR QGNNWVKTGS INPSVIITGP RENIIDPETS TFKLTNNTFA AQEGFGALSI ISISPRFMLT YSNATNDVGE GRFSKSEFCM DPILILMHLE NHAMHNLYGI AIPNDQTISS VTSNIFYSQY NVKLEYAEIY AFGGPTIDLI PKSARKYFEE KALDYYSRIA KRLNSITTAN PSSFNKYIGE YKQKLIRKYR FVVESSGEVT VNRNKFVELY NELTQIFTEF NYAKIYNVQN RKIYLSNVYT PVTANILDDN VYDIQNGFNI PKSNLNVLFM GQNLNRNPAL RKVNPEN
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/C1 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 that cleaves syntaxin.
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References	Nucleotide sequence of Clostridium botulinum C1 neurotoxin.Hauser D., Eklund M.W., Kurazona H., Binz T., Niemann H., Gill D.M., Boquet P., Popoff M.R.Nucleic Acids Res. 18:4924-4924(1990) The complete nucleotide sequence of the gene coding for botulinum type C1 toxin in the C-ST phage genome.Kimura K., Fujii N., Tsuzuki K., Murakami T., Indoh T., Yokosawa N., Takeshi K., Syuto B., Oguma K.Biochem. Biophys. Res. Commun. 171:1304-1311(1990) Establishment of a monoclonal antibody recognizing an antigenic site common to Clostridium botulinum type B, C1, D, and E toxins and tetanus toxin.Tsuzuki K., Yokosawa N., Syuto B., Ohishi I., Fujii N., Kimura K., Oguma K.Infect. Immun. 56:898-902(1988) Botulinum neurotoxin C1 blocks neurotransmitter release by means of cleaving HPC-1/syntaxin.Biasi J., Chapman E.R., Yamasaki S., Binz T., Niemann H., Jahn R.EMBO J. 12:4821-4828(1993)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115185
UniProt Accession #	P18640
Molecular Weight	64.9 kDa
NCBI Official Full Name	Botulinum neurotoxin type C1
UniProt Protein Name	Botulinum neurotoxin type C1
UniProt Gene Name	BoNT/C1
UniProt Synonym Gene Names	BoNT/C1
UniProt Entry Name	BXC1_CLOBO

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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 Online datasheet: <https://www.aaabiotech.com/bont/c1-recombinant-protein-e-coli/114782>