

Botulinum neurotoxin type F Recombinant Protein | botF recombinant protein

Recombinant Clostridium botulinum Botulinum neurotoxin type F

CATALOG # AAA114714	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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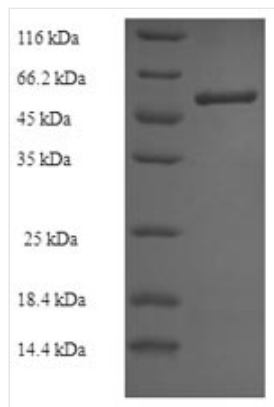
PRODUCT SYNONYMS

Botulinum neurotoxin type F; Recombinant Clostridium botulinum Botulinum neurotoxin type F; Bontoxilysin-F; botF 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	1-436aa; partial
Sequence	MPVAINSFNY NDPVNDDTIL YMQIPYEEKS KKYYKA FEIM RNVWIIPERN TIGTNPSDFD PPASLKNGSS AYYDPNYLTT DAEKDRYLKT TIKLFRKINS NPAGKVLLQE ISYAKPYLGN DHTPIDEFSP VTRTTSVNIK LSTNVES SML LNLLVLGAGP DIFESCCYPV RKLIDPDVVY DPSNYGFGSI NIVTFSPEYE YTFNDISGGH NSTESFIAD PAISLAHELI HALHGLYGAR GVTYEETIEV KQAPLMIAEK PIRLEEFLTF GGQDLNIITS AMKEKIYNNL LANYEKIATR LSEVNSAPPE YDINEYKD YF QWKYGLDKNA DGSYTVNENK FNEIYKKLYS FTESDLANKF KVKCRNTYFI KYEFLKVPNL LDDDIYTVSE GFNIGNLAVN NRGQSIKLN P KIIDSIPDKG LVEKIVKFCK SVIPRK
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 botF 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 catalyzes the hydrolysis of the '58-Gln-[Lys-59' bond of synaptobrevins-1 and -2.
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References	Sequence of the gene encoding type F neurotoxin of Clostridium botulinum.East A.K., Richardson P.T., Allaway D., Collins M.D., Roberts T.A., Thompson D.E.FEMS Microbiol. Lett. 75:225-230(1992) Conserved structure of genes encoding components of botulinum neurotoxin complex M and the sequence of the gene coding for the nontoxic component in nonproteolytic Clostridium botulinum type F.East A.K., Collins M.D.Curr. Microbiol. 29:69-77(1994) Gene probes for identification of the botulinal neurotoxin gene and specific identification of neurotoxin types B, E, and F.Campbell K.D., Collins M.D., East A.K.J. Clin. Microbiol. 31:2255-2262(1993) Cleavage of members of the synaptobrevin/VAMP family by types D and F botulinal neurotoxins and tetanus toxin.Yamasaki S., Baumeister A., Binz T., Blasi J., Link E., Cornille F., Roques B., Fykse E.M., Suedhof T.C., Jahn R., Niemann H.J. Biol. Chem. 269:12764-12772(1994)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	399137
UniProt Accession #	P30996
Molecular Weight	51.6 kDa
NCBI Official Full Name	Botulinum neurotoxin type F
UniProt Protein Name	Botulinum neurotoxin type F
UniProt Gene Name	botF
UniProt Synonym Gene Names	BoNT/F
UniProt Entry Name	BXF_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/botf-recombinant-protein-e-coli/114714>