

Recombinant Clostridium Botulinum BOTF Protein (1-436 aa), His-tagged

Cat. No. BOTF-1599C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Clostridium Botulinum BOTF Protein (1-436 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Clostridium Botulinum
Source	Yeast
ProteinLength	1-436 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	51.6 kDa
AA Sequence	MPVAINSFNYNDPVNDDTILYMQIPYEEKSKKYYKA FEIMRNVWIIPERN TIGTNP SDF DPPASLKN GSSAYYDPNYLT TDAEKDRY LKTTIKLFKRINSNPAGKVLLQEISYAKPYL GNDHTPID EFSPVTRTTSVNIK LSTNVESSMLLNLLVLGAGPDIFESCCYPVRKLIDPD VVDPSNYGFGSINIVTFSPEY EYTFNDISGGHNSSTESFIADPAISLAHELIHALHGLY

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GARGVTYEETIEVKQAPLMIAEKPIRLEEFLTFGGQDLNIITSAMKEKIYNNLLANYEKI
 ATRLSEVNSAPPEYDINEYKDYFQWKYGLDKNADGSYTVNENKFNEIYKKLYSFTES
 DLANKFKVKCRNTYFIKYEFLLKVPNLLDDDIYTVSEGFNIGNLAVNNRGQSIKLNPKIID
 SIPDKGLVEKIVKFCKSVIPRK

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

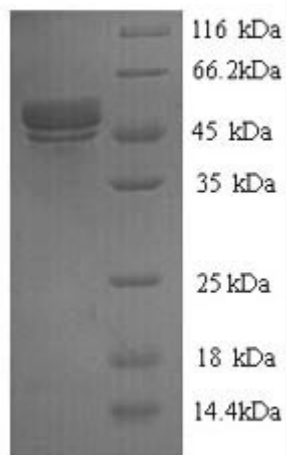
Synonyms botF; Bontoxilysin-F;

UniProt ID [P30996](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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