

Recombinant Clostridium Botulinum BOTB Protein (2-441 aa), His-Myc-tagged

Cat. No. BOTB-2516C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Clostridium Botulinum (strain Okra/Type B1) BOTB Protein (2-441 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Research Area: Microbiology. Protein Description: Partial.
Species	Clostridium Botulinum
Source	E.coli
ProteinLength	2-441 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 cleaves the '76-Gln- -Phe-77' bond of synaptobrevin-2.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	55.8 kDa
AA Sequence	PVTINNFNYNDPIDNNNIIMMEPPFARGTGRYYKAFKITDRIWIIPERYTFGYKPEDFN KSSGIFNRDVCEYYDPDYLNTNDKKNIFLQTMIKLFNRIKSKPLGEKLLEMIINGIPYLG DRRVPLEEFNTNIASVTVNKLISNPGEVERKKGIFANLIIFGPGPVLNENETIDIGIQNH

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FASREGFGGIMQMKFCPEYVSFNNVQENKGASIFNRRGYFSDPALILMHელიHVLH
 GLYGIKVDDLPIVPNEKKFFMQSTDAIQAEELYTFGGQDPSIITPSTDKSIYDKVLQNF
 RGIVDRLNKVLVCISDPNININIYKNKFKDKYKFVEDSEGKYSIDVESFDKLYKSLMFG
 FTETNIAENYKIKTRASYFSDSLPPVKIKNLLDNEIYTIEEGFNISDKDMEKEYRGQNK
 AINKQAYEEISKEHLAVYKIQMCKSVK

Purity > 85% 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 will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

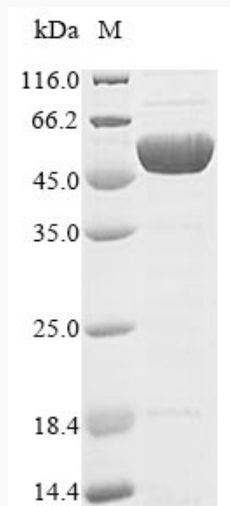
Synonyms botB;

UniProt ID [B1INP5](#)

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

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