

Recombinant Clostridium butyricum Botulinum neurotoxin type E

Catalog No: #AP71038

Package Size: #AP71038-1 20ug #AP71038-2 100ug #AP71038-3 1mg

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Description

Product Name	Recombinant Clostridium butyricum Botulinum neurotoxin type E
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-422aaSequence Info:Full Length
Accession No.	P30995
Calculated MW	63.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	PTINSFNNDPVNNRTILYIKPGGCQQFYKSFNIMKNIWIIPERNVIGTIPQDFLPPTSLKNGDSSYYDPNYLQSD QEKDKFLKIVTKIFNRINDNLGRILLEELSKANPYLGNDNTPDGDFIINDASAVPIQFSNGSQSILLPNVIIMGAE PDLFETNSSNISLRNNYMPNSNHGFGSIAIVTFSPEYSFRFKDNSMNEFIQDPALTMHELIHSLHGLYGAKGITT KYTITQKQNPLITNIRGTNIEEFLTFGGTDLNIITSAQSNDIYTNLLADYKKIASKLSKVQVSNPLLPYKDVFEAK YGLDKDASGIYSVNINKFNDIFKKLYSFTEFDLATKFQVKCRQTYIGQYKYFKLSNLLNDSIYNISEGYNNINLKV NFRGQNANLNPRIITPITGRGLVKIIRFCKNIVSVKGIR
Formulation	Tris-based buffer50% glycerol
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°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

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.

References

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)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.