



# Recombinant Clostridium botulinum D phage Botulinum neurotoxin type D (botD), partial

<b>Product Code</b>	CSB-EP323098CLQ
<b>Relevance</b>	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 '60-Lys- -Leu-61' bond of synaptobrevins-1 and -2.
<b>Abbreviation</b>	Recombinant Clostridium botulinum botD protein, partial
<b>Storage</b>	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.
<b>Uniprot No.</b>	P19321
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Clostridium botulinum
<b>Purity</b>	≥ 85% as determined by SDS-PAGE.
<b>Sequence</b>	MTWPVKDFNYSDPVNDNDILYLRIPQNKLITTPVKAFMITQNIWVIPERFSSDTN PSLSKPPRPTSKYQSYDPSYLSTDEQKDTFLKGIKLFKRINERDIGKKLINYL VGSPFMGDSSTPEDTFDFTRHTTNIAVEKFENGSWKVTNIITPSVLIFGPLPNIL DYTASLTLQGQQSNPSFEGFGTLSILKVAPEFLLTFSDVTSNQSSAVLGSIFC MDPVIALMHELTHSLHQLYGINIPSDKRIRPQVSEGFFSQDGPNVQFEELYTFG GLDVEIIPQIERSQLREKALGHYKDIAKRLNNINKTIPSSWISNIDKYKKIFSEKYN FDKDNTGNFVVNIDKFNSLYSDLTNVMSEVVYSSQYNVKNRTHYFSRHYLPVF ANILDDNIYTIRDGFNLTKGFNIENSGQNIERNPALQKLSSSESVVDLFTKVCLR LTK
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Target Names</b>	botD
<b>Protein Names</b>	Bontoxilysin-D
<b>Expression Region</b>	1-442aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-B2M-tagged
<b>Mol. Weight</b>	64.5 kDa
<b>Protein Length</b>	Partial

