

Recombinant Clostridium tetani Tetanus toxin(tetX),partial

Catalog No: #AP71116

Package Size: #AP71116-1 20ug #AP71116-2 100ug #AP71116-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Clostridium tetani Tetanus toxin(tetX),partial
Host Species	E.coli
Purification	Greater than 85% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-457aaSequence Info:Partial
Other Names	Tentoxylysin
Accession No.	P04958
Calculated MW	66.3 kDa
Tag Info	N-terminal 6xHis-B2M-tagged
Target Sequence	PITINNFRYSDPVNNDTIIMMEPPYCKGLDIYYKAFKITDRIWIVPERYEFGTKPEDFNPPSSLIEGASEYYDPNY LRTDSDKDRFLQTMVKLFNRIKNNVAGEALLDKIINAIPYLGNSYSLLDKFDTNSNSVSFNLLEQDPSGATTKSA MLTNLIIFGPGPVLNKNEVRGIVLRVDNKNYFPCRDGFGSIMQMAFCPEYVPTFDNVIENTSLTIGSKYFQDP ALLLMHELIHVLHGLYGMQVSSHEIIPSKQEIYMQHTYPISAEELFTFGGQDANLISIDIKNDLYEKTLDYKAIAN KLSQVTSCNDPNIDISYKQIYQQKYQFDKDSNGQYIVNEDKFQILYNSIMYGFTIELGKKFNIKTRLSYFSMN HDPVKIPNLLDDTIYNDTEGFNIESKDLKSEYKGQNMVRVNTNAFRNVDGSLVSKLIGLCKKIIPPTNIRENLYN RTA
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

Tetanus 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 '76-Gln-[Phe-77' bond of synaptobrevin-2.

References

"Tetanus toxin: primary structure, expression in E. coli, and homology with botulinum toxins."

Eisel U., Jarausch W., Goretzki K., Henschen A., Engels J., Weller U., Hudel M., Habermann E., Niemann H.

EMBO J. 5:2495-2502(1986)Research Topic:Others

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