

Recombinant Clostridium Tetani TETX Protein (123-573 aa), His-tagged

Cat. No. TETX-937C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Clostridium Tetani (strain Massachusetts/E88) TETX Protein (123-573 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Clostridium Tetani
Source	E.coli
ProteinLength	123-573 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	55.4 kDa
AA Sequence	SLLDKFDTNSNSVSFNLLEQDPGATTKSAMLTNLIIFGPGPVLNKNEVRGIVLRVDN KNYFPCRDGFGSIMQMAFCPEYVPTFDNVIENTSLTIGKSKYFQDPALLMHელიHVL HGLYGMQVSSHEIIPSKQEIYMQHTYPISAEELFTFGGQDANLISIDIKNDLYEKTLDN YKAIANKLSQVTSCNDPNIDIDSYKQIYQQKYQFDKDSNGQYIVNEDKFQILYNSIMY

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GFTEIELGKKFNIKTRLSYFSMNHDPVKIPNLLDDTIYNDTEGFNIESKDLKSEYKGQN
MRVNTNAFRNVDGSGLVSKLIGLCKKIIPPTNIRENLYNRTASLTDLGGEICIKIKNE
LTFIAEKNSFSEEPFQDEIVSYNTKNKPLNFNYSLDKIIVDYNLQSKITLPNDRTPVTK
GIPYAPEYKSNAASTIEIHNIDDNTIYQYLYAQKSPTTL

Purity > 90% as determined by SDS-PAGE.

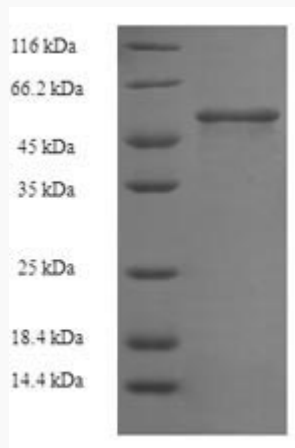
Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 concentration instruction is sent along with the products.

GENE INFORMATION

UniProt ID [P04958](#)



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

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